AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 21, 2012

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 864-9789
FAX: (770) 864-9789

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1211B90

Analytical Environmental Services, Inc. received 2 samples on 11/14/2012 4:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/12-06/30/13.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

James Forrest
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 271890

Date: 11/14 Page 1 of 1

COMPANY: L-RISH CON.

ADDRESS: PO Box 945 GRAYSON, GA

PHONE: (7) 864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	SVOCs	VOCs	No # of Containers	REMARKS
1	SWMU1-3B=	11/14	2:15	✓		GW	✓	✓	4	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

ANALYSIS REQUESTED

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY / DATE/TIME
1: 11/14 4:40
2:
3:

RECEIVED BY / DATE/TIME
1: Cathy P 11/14/12 4:40pm
2:
3:

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: W.C METR
PROJECT #:
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N: Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 21-Nov-12

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1211B90

Case Narrative

Semi-Volatile organics Analysis by Method 8270D:

Pentachlorophenol values for the QC samples 1211B90-001BMS/MSD are "E" qualified indicating estimated values over linear calibration range due to the level of target analyte present in the unspiked sample.

Analytical Environmental Services, Inc **Date:** 21-Nov-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 2:15:00 PM
Lab ID:	1211B90-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Acetone	BRL	50		ug/L	169098	1	11/16/2012 12:54	AR
2-Butanone	BRL	50		ug/L	169098	1	11/16/2012 12:54	AR
1,1,1-Trichloroethane	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Benzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
1,2-Dichloroethane	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Trichloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Toluene	7.8	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Tetrachloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Ethylbenzene	1.5	1.0		ug/L	169098	1	11/16/2012 12:54	AR
m,p-Xylene	5.6	2.0		ug/L	169098	1	11/16/2012 12:54	AR
o-Xylene	2.4	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Styrene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:54	AR
1,2,4-Trimethylbenzene	2.7	1.0		ug/L	169098	1	11/16/2012 12:54	AR
Surr: 4-Bromofluorobenzene	95.5	64.6-123		%REC	169098	1	11/16/2012 12:54	AR
Surr: Dibromofluoromethane	91.1	76.6-133		%REC	169098	1	11/16/2012 12:54	AR
Surr: Toluene-d8	96.8	77.8-120		%REC	169098	1	11/16/2012 12:54	AR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
2,4-Dimethylphenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
2,4-Dinitrophenol	BRL	25		ug/L	169116	1	11/20/2012 12:17	YH
2-Chlorophenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
2-Methylnaphthalene	12	10		ug/L	169116	1	11/20/2012 12:17	YH
2-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
3,4-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Acenaphthene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Acenaphthylene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Anthracene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Benz(a)anthracene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Benzo(a)pyrene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Benzo(b)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Benzo(k)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Carbazole	16	10		ug/L	169116	1	11/20/2012 12:17	YH
Chrysene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Dibenzofuran	12	10		ug/L	169116	1	11/20/2012 12:17	YH
Fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Nov-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 2:15:00 PM
Lab ID:	1211B90-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3510C)								
Fluorene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Naphthalene	24	10		ug/L	169116	1	11/20/2012 12:17	YH
Pentachlorophenol	71	25		ug/L	169116	1	11/20/2012 12:17	YH
Phenanthrene	27	10		ug/L	169116	1	11/20/2012 12:17	YH
Phenol	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Pyrene	BRL	10		ug/L	169116	1	11/20/2012 12:17	YH
Surr: 2,4,6-Tribromophenol	108	50.9-150		%REC	169116	1	11/20/2012 12:17	YH
Surr: 2-Fluorobiphenyl	86.7	50.7-121		%REC	169116	1	11/20/2012 12:17	YH
Surr: 2-Fluorophenol	67.2	25.6-120		%REC	169116	1	11/20/2012 12:17	YH
Surr: 4-Terphenyl-d14	97.4	44-147		%REC	169116	1	11/20/2012 12:17	YH
Surr: Nitrobenzene-d5	75.5	41.6-120		%REC	169116	1	11/20/2012 12:17	YH
Surr: Phenol-d5	54.3	13-120		%REC	169116	1	11/20/2012 12:17	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Nov-12

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	11/14/2012
Lab ID:	1211B90-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Acetone	BRL	50		ug/L	169098	1	11/16/2012 12:29	AR
2-Butanone	BRL	50		ug/L	169098	1	11/16/2012 12:29	AR
1,1,1-Trichloroethane	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Benzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
1,2-Dichloroethane	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Trichloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Toluene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Tetrachloroethene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Ethylbenzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
m,p-Xylene	BRL	2.0		ug/L	169098	1	11/16/2012 12:29	AR
o-Xylene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Styrene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	169098	1	11/16/2012 12:29	AR
Surr: 4-Bromofluorobenzene	93.7	64.6-123		%REC	169098	1	11/16/2012 12:29	AR
Surr: Dibromofluoromethane	93.9	76.6-133		%REC	169098	1	11/16/2012 12:29	AR
Surr: Toluene-d8	96.1	77.8-120		%REC	169098	1	11/16/2012 12:29	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Enviroist Work Order Number 1211B90

Checklist completed by BMcCoy 11/15/12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client __ US Mail ✓ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ 11/15/12 No __

Cooler #1 3.4 Cooler #2 3.7 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes ✓ BM 11/15 No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good __ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No __

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169098

Sample ID: **MB-169098** Client ID: Units: **ug/L** Prep Date: **11/16/2012** Run No: **233104**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169098** Analysis Date: **11/16/2012** Seq No: **4881448**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	46.36	0	50	0	92.7	64.6	123	0	0	0	
Surr: Dibromofluoromethane	48.10	0	50	0	96.2	76.6	133	0	0	0	
Surr: Toluene-d8	48.76	0	50	0	97.5	77.8	120	0	0	0	

Sample ID: **LCS-169098** Client ID: Units: **ug/L** Prep Date: **11/16/2012** Run No: **233104**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169098** Analysis Date: **11/16/2012** Seq No: **4881452**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	49.08	5.0	50	0	98.2	60	140	0	0	0	
Benzene	44.30	5.0	50	0	88.6	70	130	0	0	0	
Toluene	49.49	5.0	50	0	99	70	130	0	0	0	
Trichloroethene	51.97	5.0	50	0	104	70	130	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169098

Sample ID: **LCS-169098** Client ID: Units: **ug/L** Prep Date: **11/16/2012** Run No: **233104**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169098** Analysis Date: **11/16/2012** Seq No: **4881452**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	51.10	0	50	0	102	64.6	123	0	0	0	
Surr: Dibromofluoromethane	47.26	0	50	0	94.5	76.6	133	0	0	0	
Surr: Toluene-d8	48.87	0	50	0	97.7	77.8	120	0	0	0	

Sample ID: **1211B79-010AMS** Client ID: Units: **ug/L** Prep Date: **11/16/2012** Run No: **233157**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169098** Analysis Date: **11/17/2012** Seq No: **4882209**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.79	5.0	50	0	122	50.1	179	0	0	0	
Benzene	52.15	5.0	50	0	104	61.2	150	0	0	0	
Toluene	57.11	5.0	50	0	114	58.7	154	0	0	0	
Trichloroethene	58.54	5.0	50	0	117	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	51.92	0	50	0	104	64.6	123	0	0	0	
Surr: Dibromofluoromethane	50.66	0	50	0	101	76.6	133	0	0	0	
Surr: Toluene-d8	50.66	0	50	0	101	77.8	120	0	0	0	

Sample ID: **1211B79-010AMSD** Client ID: Units: **ug/L** Prep Date: **11/16/2012** Run No: **233157**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169098** Analysis Date: **11/17/2012** Seq No: **4882212**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	67.92	5.0	50	0	136	50.1	179	60.79	11.1	23.3	
Benzene	58.13	5.0	50	0	116	61.2	150	52.15	10.8	19	
Toluene	64.08	5.0	50	0	128	58.7	154	57.11	11.5	20	
Trichloroethene	65.77	5.0	50	0	132	68.3	149	58.54	11.6	17.7	
Surr: 4-Bromofluorobenzene	51.66	0	50	0	103	64.6	123	51.92	0	0	
Surr: Dibromofluoromethane	50.40	0	50	0	101	76.6	133	50.66	0	0	
Surr: Toluene-d8	50.76	0	50	0	102	77.8	120	50.66	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116**	Client ID:		Units: **ug/L**	Prep Date: **11/19/2012**	Run No: **233311**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **169116**	Analysis Date: **11/19/2012**	Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	25	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	10	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	
Anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Carbazole	BRL	10	0	0	0	0	0	0	0	0	
Chrysene	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Fluorene	BRL	10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	25	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	
Phenol	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	93.03	0	100	0	93	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	40.61	0	50	0	81.2	50.7	121	0	0	0	
Surr: 2-Fluorophenol	67.86	0	100	0	67.9	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	47.89	0	50	0	95.8	44	147	0	0	0	
Surr: Nitrobenzene-d5	40.86	0	50	0	81.7	41.6	120	0	0	0	
Surr: Phenol-d5	50.64	0	100	0	50.6	13	120	0	0	0	

Sample ID: **LCS-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885384**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	88.19	10	100	0	88.2	67.9	120	0	0	0	
4-Chloro-3-methylphenol	90.62	10	100	0	90.6	63.1	120	0	0	0	
Acenaphthene	92.96	10	100	0	93	68.6	120	0	0	0	
Pentachlorophenol	94.96	25	100	0	95	55.2	118	0	0	0	
Phenol	49.30	10	100	0	49.3	26.6	120	0	0	0	
Pyrene	96.43	10	100	0	96.4	66.3	131	0	0	0	
Surr: 2,4,6-Tribromophenol	109.0	0	100	0	109	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	47.27	0	50	0	94.5	50.7	121	0	0	0	
Surr: 2-Fluorophenol	70.34	0	100	0	70.3	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	55.59	0	50	0	111	44	147	0	0	0	
Surr: Nitrobenzene-d5	45.90	0	50	0	91.8	41.6	120	0	0	0	
Surr: Phenol-d5	48.87	0	100	0	48.9	13	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **1211B90-001BMS** Client ID: **SWMU1-3B** Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885386**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	82.06	10	100	0	82.1	56.6	120	0	0	0	
4-Chloro-3-methylphenol	82.56	10	100	0	82.6	49.8	120	0	0	0	
Acenaphthene	84.02	10	100	3.880	80.1	57.8	120	0	0	0	
Pentachlorophenol	174.2	25	100	70.68	104	37.6	130	0	0	0	E
Phenol	64.64	10	100	0	64.6	27.9	120	0	0	0	
Pyrene	81.70	10	100	2.340	79.4	57.9	118	0	0	0	
Surr: 2,4,6-Tribromophenol	94.72	0	100	0	94.7	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	39.95	0	50	0	79.9	50.7	121	0	0	0	
Surr: 2-Fluorophenol	73.12	0	100	0	73.1	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	45.33	0	50	0	90.7	44	147	0	0	0	
Surr: Nitrobenzene-d5	40.06	0	50	0	80.1	41.6	120	0	0	0	
Surr: Phenol-d5	63.45	0	100	0	63.4	13	120	0	0	0	

Sample ID: **1211B90-001BMSD** Client ID: **SWMU1-3B** Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885389**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	82.78	10	100	0	82.8	56.6	120	82.06	0.874	26.2	
4-Chloro-3-methylphenol	78.96	10	100	0	79	49.8	120	82.56	4.46	62.9	
Acenaphthene	80.91	10	100	3.880	77	57.8	120	84.02	3.77	24.7	
Pentachlorophenol	182.6	25	100	70.68	112	37.6	130	174.2	4.71	26.6	E
Phenol	59.20	10	100	0	59.2	27.9	120	64.64	8.79	29.5	
Pyrene	78.64	10	100	2.340	76.3	57.9	118	81.70	3.82	24.4	
Surr: 2,4,6-Tribromophenol	88.99	0	100	0	89	50.9	150	94.72	0	0	
Surr: 2-Fluorobiphenyl	38.62	0	50	0	77.2	50.7	121	39.95	0	0	
Surr: 2-Fluorophenol	70.94	0	100	0	70.9	25.6	120	73.12	0	0	
Surr: 4-Terphenyl-d14	40.97	0	50	0	81.9	44	147	45.33	0	0	
Surr: Nitrobenzene-d5	38.86	0	50	0	77.7	41.6	120	40.06	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B90

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **1211B90-001BMSD** Client ID: **SWMU1-3B** Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885389**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	57.27	0	100	0	57.3	13	120	63.45	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 09, 2013

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 864-9789
FAX: (770) 864-9789

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1211B83

Analytical Environmental Services, Inc. received 32 samples on 11/14/2012 4:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/12-06/30/13.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 12/1383

Date: 11/12/13 Page 1 of 3

COMPANY: E-RISK CONSULTANTS

ADDRESS: P.O Box 945 GRAYSON, GA

PHONE: (7) 864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	SVOC's	VOC's	DIOXINS.	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB TW-24@ 15-16'	11/12	10:10	✓		SO	✓	✓				5
2	SB TW-24@ 35-36'		10:15	✓		✓	✓	✓				5
3	SB TW-25@ 15-16'		11:15	✓			✓	✓				5
4	SB TW-25@ 28-29'		11:20	✓			✓	✓				5
5	SB TW-26@ 7-8'		2:00	✓			✓	✓				5
6	SB TW-26@ 20-21'		2:10	✓			✓	✓	✓			5
7	SB TW-28@ 7-8'		3:10	✓			✓	✓	✓			5
8	SB TW-28@ 11-12'		3:20	✓			✓	✓	✓			1
9	SB TW-28@ 23-24'		3:15	✓			✓	✓				5
10	SWMU4-28@ 7-8'		4:10	✓			✓	✓				6
11	SWMU4-28@ 11-12'		4:26	✓			✓	✓				5
12	SWMU4-28@ 15-16'		4:30	✓			✓	✓			HOLD	5
13	SWMU4-2C@ 7-8'		4:40	✓			✓	✓				5
14	SWMU4-2C@ 11-12'		4:50	✓			✓	✓				5

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	11/14 4:40	1: Lakeya P	11/14/12 4:40pm
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: W.C MER

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1211B83

Date: 11/12/13 Page 2 of 3

COMPANY: E-Risk Con.

ADDRESS: P.O Box 945 Grayson GA

PHONE: (7)864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

ANALYSIS REQUESTED: SVOC's | VOC's | Dioxins

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SwMu1-1B@ 7-8	11/13	9:00			SO			5
2	SwMu1-1B@ 15-16		9:10						5
3	SwMu1-1B@ 23-24		9:20					HOLD	5
4	SwMu1-3B@ 11-12		10:10						5
5	SwMu1-3B@ 19-20		10:20						6
6	SwMu1-1C@ 7-8		1:50						
7	SwMu1-1C@ 15-16		1:55						
8	SwMu1-1C@ 19-20		2:00					HOLD	
9	SwMu1-1D@ 15-16		2:30						
10	SwMu1-1D@ 19-20		2:20						
11	SwMu1-3C@ 7-8		4:10						
12	SwMu1-3C@ 11-12		4:20						
13	SwMu1-3C@ 19-20		4:30						
14	SwMu1-2B@ 7-8'		3:20						

RELINQUISHED BY / DATE/TIME
1: 11/14 4:40

RECEIVED BY / DATE/TIME
1: Cathy P 11/14/12 4:40pm
2:
3:

PROJECT INFORMATION
PROJECT NAME: W.C MER
PROJECT #:
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N: Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1211383

Date: _____ Page 3 of 3

COMPANY: E-Risk Con.

ADDRESS: PO Box 945

PHONE: (7)864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	SVOC's	VOC's	No # of Containers	REMARKS
1	SWMU-2B @ 15-16	11/13	3:30	✓		SO	✓	✓	5	
2	SWMU-2B @ 19-20	"	3:40	✓		SO	✓	✓	5	HOLD
3	TW-[redacted]24	11/14	1:15	✓		GW	✓	✓	4	
4	TW-25	"	1:30	✓		"	✓	✓	4	
5	TW-26	"	1:45	✓		"	✓	✓	4	
6	TW [redacted]28	"	2:00	✓		"	✓	✓	4	
7	[redacted]									
8										
9										
10										
11										
12										
13										
14										

ANALYSIS REQUESTED

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY / DATE/TIME
1: 11/14 4:40
2:
3:

RECEIVED BY / DATE/TIME
1: Latoya P 11/14/12 4:40pm
2:
3:

PROJECT INFORMATION
PROJECT NAME: W.C.M.O.R.
PROJECT #:
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1211B83

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1211B83-005, -002, -004, -007, -011, -012 were outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compounds Pentafluorobenzene and 1,4-Dichlorobenzene-d4 on sample 1211B83-011 was outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compounds Pentafluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 on sample 1211B83-004 was outside control limits biased low due to suspected matrix interference.

Styrene values for sample 1211B83-004 are "E" qualified indicating estimated values over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Analyses required was not indicated on COC for sample "SWMU1-2B@7-8" . Sample was analyzed for VOCs, and SVOCs per Kimberly Phillips on 11/20/12 via email.

Semi-Volatile organics Analysis by Method 8270D:

Pentachlorophenol values for the QC samples 1211B90-001BMS/MSD are "E" qualified indicating estimated values over linear calibration range due to the level of target analyte present in the unspiked sample.

Due to suspected mechanical loss of extract during extraction/concentration of 1211B83-026CMSD, sample is biased low out. Recoveries are demonstrated by the LCS and MS and no analytical samples were affected.

Samples 1211B83-022C and -017C were extracted and analyzed outside holding time of 14 days for VOCs, and SVOCs per AJ Lovering on 11/29/12. Analysis was requested by client after holding time had expired.

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-24@15-16'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 10:10:00 AM
Lab ID:	1211B83-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Acetone	BRL	0.075		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
2-Butanone	BRL	0.037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
1,1,1-Trichloroethane	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Benzene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
1,2-Dichloroethane	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Trichloroethene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Toluene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Tetrachloroethene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Ethylbenzene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
m,p-Xylene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
o-Xylene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Styrene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
1,3,5-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
1,2,4-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169040	1	11/16/2012 03:03	MD
Surr: 4-Bromofluorobenzene	102	63.8-133		%REC	169040	1	11/16/2012 03:03	MD
Surr: Dibromofluoromethane	89.4	74.3-130		%REC	169040	1	11/16/2012 03:03	MD
Surr: Toluene-d8	90.6	72.8-122		%REC	169040	1	11/16/2012 03:03	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-24@15-16'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 10:10:00 AM
Lab ID:	1211B83-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:08	YH
Surr: 2,4,6-Tribromophenol	79.2	40.4-136		%REC	169023	1	11/16/2012 13:08	YH
Surr: 2-Fluorobiphenyl	69.6	46.1-120		%REC	169023	1	11/16/2012 13:08	YH
Surr: 2-Fluorophenol	64.3	35.8-120		%REC	169023	1	11/16/2012 13:08	YH
Surr: 4-Terphenyl-d14	77.7	50.2-134		%REC	169023	1	11/16/2012 13:08	YH
Surr: Nitrobenzene-d5	63.4	38-120		%REC	169023	1	11/16/2012 13:08	YH
Surr: Phenol-d5	64.7	40-120		%REC	169023	1	11/16/2012 13:08	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.7	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-24@35-36'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 10:15:00 AM
Lab ID:	1211B83-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Acetone	BRL	0.088		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
2-Butanone	BRL	0.044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
1,1,1-Trichloroethane	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Benzene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
1,2-Dichloroethane	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Trichloroethene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Toluene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Tetrachloroethene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Ethylbenzene	0.0049	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
m,p-Xylene	0.0086	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
o-Xylene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Styrene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
1,3,5-Trimethylbenzene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
1,2,4-Trimethylbenzene	BRL	0.0044		mg/Kg-dry	169040	1	11/16/2012 03:30	MD
Surr: 4-Bromofluorobenzene	104	63.8-133		%REC	169040	1	11/16/2012 03:30	MD
Surr: Dibromofluoromethane	96.5	74.3-130		%REC	169040	1	11/16/2012 03:30	MD
Surr: Toluene-d8	91.3	72.8-122		%REC	169040	1	11/16/2012 03:30	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2,4,6-Trichlorophenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2,4-Dimethylphenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2,4-Dinitrophenol	BRL	2.9		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2-Chlorophenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2-Methylnaphthalene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
2-Methylphenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
3,4-Methylphenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
4-Chloro-3-methylphenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Acenaphthene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Acenaphthylene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Anthracene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Benz(a)anthracene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Benzo(a)pyrene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Benzo(b)fluoranthene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Benzo(k)fluoranthene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Carbazole	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Chrysene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Dibenz(a,h)anthracene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Dibenzofuran	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Fluoranthene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-24@35-36'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 10:15:00 AM
Lab ID:	1211B83-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Naphthalene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Pentachlorophenol	BRL	2.9		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Phenanthrene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Phenol	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Pyrene	BRL	0.55		mg/Kg-dry	169023	1	11/16/2012 13:33	YH
Surr: 2,4,6-Tribromophenol	52	40.4-136		%REC	169023	1	11/16/2012 13:33	YH
Surr: 2-Fluorobiphenyl	46.1	46.1-120	S	%REC	169023	1	11/16/2012 13:33	YH
Surr: 2-Fluorophenol	41.9	35.8-120		%REC	169023	1	11/16/2012 13:33	YH
Surr: 4-Terphenyl-d14	54.1	50.2-134		%REC	169023	1	11/16/2012 13:33	YH
Surr: Nitrobenzene-d5	41.8	38-120		%REC	169023	1	11/16/2012 13:33	YH
Surr: Phenol-d5	42.9	40-120		%REC	169023	1	11/16/2012 13:33	YH
PERCENT MOISTURE D2216								
Percent Moisture	40.4	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-25@15-16'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 11:15:00 AM
Lab ID:	1211B83-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Acetone	BRL	0.063		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
2-Butanone	BRL	0.032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
1,1,1-Trichloroethane	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Benzene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
1,2-Dichloroethane	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Trichloroethene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Toluene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Tetrachloroethene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Ethylbenzene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
m,p-Xylene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
o-Xylene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Styrene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
1,3,5-Trimethylbenzene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
1,2,4-Trimethylbenzene	BRL	0.0032		mg/Kg-dry	169040	1	11/16/2012 03:58	MD
Surr: 4-Bromofluorobenzene	98.4	63.8-133		%REC	169040	1	11/16/2012 03:58	MD
Surr: Dibromofluoromethane	95.8	74.3-130		%REC	169040	1	11/16/2012 03:58	MD
Surr: Toluene-d8	88.2	72.8-122		%REC	169040	1	11/16/2012 03:58	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-25@15-16'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 11:15:00 AM
Lab ID:	1211B83-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 13:59	YH
Surr: 2,4,6-Tribromophenol	90.9	40.4-136		%REC	169023	1	11/16/2012 13:59	YH
Surr: 2-Fluorobiphenyl	76.7	46.1-120		%REC	169023	1	11/16/2012 13:59	YH
Surr: 2-Fluorophenol	75.3	35.8-120		%REC	169023	1	11/16/2012 13:59	YH
Surr: 4-Terphenyl-d14	90	50.2-134		%REC	169023	1	11/16/2012 13:59	YH
Surr: Nitrobenzene-d5	71.9	38-120		%REC	169023	1	11/16/2012 13:59	YH
Surr: Phenol-d5	77.4	40-120		%REC	169023	1	11/16/2012 13:59	YH
PERCENT MOISTURE D2216								
Percent Moisture	20.9	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-25@28-29'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 11:20:00 AM
Lab ID:	1211B83-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
Acetone	BRL	0.091		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
2-Butanone	BRL	0.045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
1,1,1-Trichloroethane	BRL	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
Benzene	0.021	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
1,2-Dichloroethane	BRL	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
Trichloroethene	BRL	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
Toluene	0.52	0.40		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
Tetrachloroethene	BRL	0.0045		mg/Kg-dry	169040	1	11/16/2012 13:16	MD
Ethylbenzene	2.0	2.0		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
m,p-Xylene	4.4	2.0		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
o-Xylene	2.0	2.0		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
Styrene	0.51	0.0045	E	mg/Kg-dry	169040	1	11/16/2012 13:16	MD
1,3,5-Trimethylbenzene	4.6	2.0		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
1,2,4-Trimethylbenzene	10	2.0		mg/Kg-dry	169168	500	11/20/2012 18:41	DB
Surr: 4-Bromofluorobenzene	59.9	63.8-133	S	%REC	169040	1	11/16/2012 13:16	MD
Surr: 4-Bromofluorobenzene	108	63.8-133		%REC	169168	500	11/20/2012 18:41	DB
Surr: Dibromofluoromethane	113	74.3-130		%REC	169040	1	11/16/2012 13:16	MD
Surr: Dibromofluoromethane	98.9	74.3-130		%REC	169168	500	11/20/2012 18:41	DB
Surr: Toluene-d8	66	72.8-122	S	%REC	169040	1	11/16/2012 13:16	MD
Surr: Toluene-d8	92.1	72.8-122		%REC	169168	500	11/20/2012 18:41	DB
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
2-Methylnaphthalene	6.9	4.2		mg/Kg-dry	169023	10	11/19/2012 11:27	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Acenaphthene	6.5	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Anthracene	2.7	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Benz(a)anthracene	1.3	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Benzo(a)pyrene	0.43	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Benzo(b)fluoranthene	0.76	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Carbazole	2.4	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Chrysene	1.1	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-25@28-29'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 11:20:00 AM
Lab ID:	1211B83-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Dibenzofuran	5.0	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Fluoranthene	6.3	4.2		mg/Kg-dry	169023	10	11/19/2012 11:27	YH
Fluorene	5.7	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Naphthalene	24	4.2		mg/Kg-dry	169023	10	11/19/2012 11:27	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Phenanthrene	14	4.2		mg/Kg-dry	169023	10	11/19/2012 11:27	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Pyrene	3.9	0.42		mg/Kg-dry	169023	1	11/16/2012 14:25	YH
Surr: 2,4,6-Tribromophenol	86.7	40.4-136		%REC	169023	1	11/16/2012 14:25	YH
Surr: 2-Fluorobiphenyl	72.5	46.1-120		%REC	169023	1	11/16/2012 14:25	YH
Surr: 2-Fluorophenol	66.1	35.8-120		%REC	169023	1	11/16/2012 14:25	YH
Surr: 4-Terphenyl-d14	81.9	50.2-134		%REC	169023	1	11/16/2012 14:25	YH
Surr: Nitrobenzene-d5	67.1	38-120		%REC	169023	1	11/16/2012 14:25	YH
Surr: Phenol-d5	67.5	40-120		%REC	169023	1	11/16/2012 14:25	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.7	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-26@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 2:00:00 PM
Lab ID:	1211B83-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Acetone	BRL	0.16		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
2-Butanone	BRL	0.078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
1,1,1-Trichloroethane	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Benzene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
1,2-Dichloroethane	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Trichloroethene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Toluene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Tetrachloroethene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Ethylbenzene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
m,p-Xylene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
o-Xylene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Styrene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
1,3,5-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
1,2,4-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	169040	1	11/16/2012 04:25	MD
Surr: 4-Bromofluorobenzene	67.7	63.8-133		%REC	169040	1	11/16/2012 04:25	MD
Surr: Dibromofluoromethane	103	74.3-130		%REC	169040	1	11/16/2012 04:25	MD
Surr: Toluene-d8	84.1	72.8-122		%REC	169040	1	11/16/2012 04:25	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2,4,6-Trichlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2,4-Dimethylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2-Chlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2-Methylnaphthalene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
2-Methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
3,4-Methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
4-Chloro-3-methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Acenaphthene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Acenaphthylene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Benz(a)anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Benzo(a)pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Benzo(b)fluoranthene	0.61	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Benzo(k)fluoranthene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Carbazole	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Chrysene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Dibenz(a,h)anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Dibenzofuran	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Fluoranthene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-26@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 2:00:00 PM
Lab ID:	1211B83-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Naphthalene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Phenanthrene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Phenol	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/19/2012 12:47	YH
Surr: 2,4,6-Tribromophenol	61.5	40.4-136		%REC	169023	1	11/19/2012 12:47	YH
Surr: 2-Fluorobiphenyl	54.5	46.1-120		%REC	169023	1	11/19/2012 12:47	YH
Surr: 2-Fluorophenol	51.7	35.8-120		%REC	169023	1	11/19/2012 12:47	YH
Surr: 4-Terphenyl-d14	61.2	50.2-134		%REC	169023	1	11/19/2012 12:47	YH
Surr: Nitrobenzene-d5	50.4	38-120		%REC	169023	1	11/19/2012 12:47	YH
Surr: Phenol-d5	53.5	40-120		%REC	169023	1	11/19/2012 12:47	YH
PERCENT MOISTURE D2216								
Percent Moisture	27.8	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-26@20-21'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 2:10:00 PM
Lab ID:	1211B83-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Acetone	BRL	0.070		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
2-Butanone	BRL	0.035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
1,1,1-Trichloroethane	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Benzene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
1,2-Dichloroethane	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Trichloroethene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Toluene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Tetrachloroethene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Ethylbenzene	0.0076	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
m,p-Xylene	0.012	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
o-Xylene	0.0062	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Styrene	BRL	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
1,3,5-Trimethylbenzene	0.019	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
1,2,4-Trimethylbenzene	0.040	0.0035		mg/Kg-dry	169040	1	11/16/2012 04:52	MD
Surr: 4-Bromofluorobenzene	110	63.8-133		%REC	169040	1	11/16/2012 04:52	MD
Surr: Dibromofluoromethane	96	74.3-130		%REC	169040	1	11/16/2012 04:52	MD
Surr: Toluene-d8	91.7	72.8-122		%REC	169040	1	11/16/2012 04:52	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
2-Methylnaphthalene	51	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Acenaphthene	39	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Anthracene	23	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Benz(a)anthracene	4.3	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Benzo(a)pyrene	1.3	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Benzo(b)fluoranthene	2.0	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Benzo(k)fluoranthene	0.72	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Carbazole	11	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Chrysene	3.6	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Dibenzofuran	29	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Fluoranthene	28	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-26@20-21'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 2:10:00 PM
Lab ID:	1211B83-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	34	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Naphthalene	180	40		mg/Kg-dry	169023	100	11/20/2012 19:40	KD
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Phenanthrene	67	40		mg/Kg-dry	169023	100	11/20/2012 19:40	KD
Phenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:03	YH
Pyrene	15	4.0		mg/Kg-dry	169023	10	11/19/2012 11:54	YH
Surr: 2,4,6-Tribromophenol	95.1	40.4-136		%REC	169023	1	11/16/2012 20:03	YH
Surr: 2-Fluorobiphenyl	80.6	46.1-120		%REC	169023	1	11/16/2012 20:03	YH
Surr: 2-Fluorophenol	73.4	35.8-120		%REC	169023	1	11/16/2012 20:03	YH
Surr: 4-Terphenyl-d14	87	50.2-134		%REC	169023	1	11/16/2012 20:03	YH
Surr: Nitrobenzene-d5	91.4	38-120		%REC	169023	1	11/16/2012 20:03	YH
Surr: Phenol-d5	78.8	40-120		%REC	169023	1	11/16/2012 20:03	YH
PERCENT MOISTURE D2216								
Percent Moisture	18.0	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-28@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 3:10:00 PM
Lab ID:	1211B83-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Acetone	BRL	0.11		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
2-Butanone	BRL	0.053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
1,1,1-Trichloroethane	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Benzene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
1,2-Dichloroethane	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Trichloroethene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Toluene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Tetrachloroethene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Ethylbenzene	0.010	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
m,p-Xylene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
o-Xylene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Styrene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
1,3,5-Trimethylbenzene	BRL	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
1,2,4-Trimethylbenzene	0.023	0.0053		mg/Kg-dry	169040	1	11/17/2012 12:36	MD
Surr: 4-Bromofluorobenzene	84.2	63.8-133		%REC	169040	1	11/17/2012 12:36	MD
Surr: Dibromofluoromethane	103	74.3-130		%REC	169040	1	11/17/2012 12:36	MD
Surr: Toluene-d8	93.4	72.8-122		%REC	169040	1	11/17/2012 12:36	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
2-Methylnaphthalene	7.7	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Acenaphthene	7.4	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Anthracene	2.4	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Benz(a)anthracene	0.79	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Benzo(a)pyrene	0.49	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Benzo(b)fluoranthene	0.93	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Carbazole	0.43	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Chrysene	0.93	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Dibenzofuran	4.9	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Fluoranthene	6.3	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-28@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 3:10:00 PM
Lab ID:	1211B83-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	7.3	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Naphthalene	24	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Phenanthrene	20	4.1		mg/Kg-dry	169023	10	11/19/2012 12:20	YH
Phenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Pyrene	3.7	0.41		mg/Kg-dry	169023	1	11/16/2012 14:50	YH
Surr: 2,4,6-Tribromophenol	53.9	40.4-136		%REC	169023	1	11/16/2012 14:50	YH
Surr: 2-Fluorobiphenyl	48	46.1-120		%REC	169023	1	11/16/2012 14:50	YH
Surr: 2-Fluorophenol	42.5	35.8-120		%REC	169023	1	11/16/2012 14:50	YH
Surr: 4-Terphenyl-d14	51.4	50.2-134		%REC	169023	1	11/16/2012 14:50	YH
Surr: Nitrobenzene-d5	45	38-120		%REC	169023	1	11/16/2012 14:50	YH
Surr: Phenol-d5	45.6	40-120		%REC	169023	1	11/16/2012 14:50	YH
PERCENT MOISTURE D2216								
Percent Moisture	19.2	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-28@23-24'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 3:15:00 PM
Lab ID:	1211B83-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Acetone	BRL	0.082		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
2-Butanone	BRL	0.041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
1,1,1-Trichloroethane	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Benzene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
1,2-Dichloroethane	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Trichloroethene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Toluene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Tetrachloroethene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Ethylbenzene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
m,p-Xylene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
o-Xylene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Styrene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
1,3,5-Trimethylbenzene	BRL	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
1,2,4-Trimethylbenzene	0.0054	0.0041		mg/Kg-dry	169040	1	11/19/2012 14:10	MD
Surr: 4-Bromofluorobenzene	99.2	63.8-133		%REC	169040	1	11/19/2012 14:10	MD
Surr: Dibromofluoromethane	99	74.3-130		%REC	169040	1	11/19/2012 14:10	MD
Surr: Toluene-d8	92.4	72.8-122		%REC	169040	1	11/19/2012 14:10	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
2-Methylnaphthalene	15	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Acenaphthene	1.5	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Acenaphthylene	0.43	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Anthracene	2.1	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Benz(a)anthracene	2.0	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Benzo(b)fluoranthene	0.89	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Carbazole	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Chrysene	1.9	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Dibenzofuran	9.3	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
Fluoranthene	14	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-28@23-24'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 3:15:00 PM
Lab ID:	1211B83-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	6.1	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Naphthalene	19	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
Pentachlorophenol	5.8	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
Phenanthrene	31	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
Phenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 15:16	YH
Pyrene	7.2	4.1		mg/Kg-dry	169023	10	11/19/2012 14:55	YH
Surr: 2,4,6-Tribromophenol	59.5	40.4-136		%REC	169023	1	11/16/2012 15:16	YH
Surr: 2-Fluorobiphenyl	50.3	46.1-120		%REC	169023	1	11/16/2012 15:16	YH
Surr: 2-Fluorophenol	48.5	35.8-120		%REC	169023	1	11/16/2012 15:16	YH
Surr: 4-Terphenyl-d14	54.7	50.2-134		%REC	169023	1	11/16/2012 15:16	YH
Surr: Nitrobenzene-d5	47.9	38-120		%REC	169023	1	11/16/2012 15:16	YH
Surr: Phenol-d5	50.3	40-120		%REC	169023	1	11/16/2012 15:16	YH
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2B@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:10:00 PM
Lab ID:	1211B83-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Acetone	0.17	0.16		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
2-Butanone	BRL	0.078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
1,1,1-Trichloroethane	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Benzene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
1,2-Dichloroethane	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Trichloroethene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Toluene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Tetrachloroethene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Ethylbenzene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
m,p-Xylene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
o-Xylene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Styrene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
1,3,5-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
1,2,4-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	169079	1	11/20/2012 13:48	MD
Surr: 4-Bromofluorobenzene	91.8	63.8-133		%REC	169079	1	11/20/2012 13:48	MD
Surr: Dibromofluoromethane	96.2	74.3-130		%REC	169079	1	11/20/2012 13:48	MD
Surr: Toluene-d8	88.6	72.8-122		%REC	169079	1	11/20/2012 13:48	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2B@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:10:00 PM
Lab ID:	1211B83-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 15:42	YH
Surr: 2,4,6-Tribromophenol	69.2	40.4-136		%REC	169023	1	11/16/2012 15:42	YH
Surr: 2-Fluorobiphenyl	60.1	46.1-120		%REC	169023	1	11/16/2012 15:42	YH
Surr: 2-Fluorophenol	58.9	35.8-120		%REC	169023	1	11/16/2012 15:42	YH
Surr: 4-Terphenyl-d14	67.6	50.2-134		%REC	169023	1	11/16/2012 15:42	YH
Surr: Nitrobenzene-d5	56.7	38-120		%REC	169023	1	11/16/2012 15:42	YH
Surr: Phenol-d5	60.9	40-120		%REC	169023	1	11/16/2012 15:42	YH
PERCENT MOISTURE D2216								
Percent Moisture	22.1	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2B@11-12'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:20:00 PM
Lab ID:	1211B83-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Acetone	BRL	0.062		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
2-Butanone	BRL	0.031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
1,1,1-Trichloroethane	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Benzene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
1,2-Dichloroethane	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Trichloroethene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Toluene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Tetrachloroethene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Ethylbenzene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
m,p-Xylene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
o-Xylene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Styrene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
1,3,5-Trimethylbenzene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
1,2,4-Trimethylbenzene	BRL	0.0031		mg/Kg-dry	169040	1	11/19/2012 15:59	MD
Surr: 4-Bromofluorobenzene	89.3	63.8-133		%REC	169040	1	11/19/2012 15:59	MD
Surr: Dibromofluoromethane	104	74.3-130		%REC	169040	1	11/19/2012 15:59	MD
Surr: Toluene-d8	90	72.8-122		%REC	169040	1	11/19/2012 15:59	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2B@11-12'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:20:00 PM
Lab ID:	1211B83-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 16:09	YH
Surr: 2,4,6-Tribromophenol	71.8	40.4-136		%REC	169023	1	11/16/2012 16:09	YH
Surr: 2-Fluorobiphenyl	64.4	46.1-120		%REC	169023	1	11/16/2012 16:09	YH
Surr: 2-Fluorophenol	61.7	35.8-120		%REC	169023	1	11/16/2012 16:09	YH
Surr: 4-Terphenyl-d14	73.2	50.2-134		%REC	169023	1	11/16/2012 16:09	YH
Surr: Nitrobenzene-d5	58.4	38-120		%REC	169023	1	11/16/2012 16:09	YH
Surr: Phenol-d5	64.6	40-120		%REC	169023	1	11/16/2012 16:09	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2C@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:40:00 PM
Lab ID:	1211B83-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Acetone	BRL	0.087		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
2-Butanone	BRL	0.044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
1,1,1-Trichloroethane	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Benzene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
1,2-Dichloroethane	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Trichloroethene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Toluene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Tetrachloroethene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Ethylbenzene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
m,p-Xylene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
o-Xylene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Styrene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
1,3,5-Trimethylbenzene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
1,2,4-Trimethylbenzene	BRL	0.0044		mg/Kg-dry	169079	1	11/19/2012 18:35	MD
Surr: 4-Bromofluorobenzene	98.2	63.8-133		%REC	169079	1	11/19/2012 18:35	MD
Surr: Dibromofluoromethane	99.7	74.3-130		%REC	169079	1	11/19/2012 18:35	MD
Surr: Toluene-d8	92.9	72.8-122		%REC	169079	1	11/19/2012 18:35	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2,4,6-Trichlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2,4-Dimethylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2,4-Dinitrophenol	BRL	2.4		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2-Chlorophenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2-Methylnaphthalene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
2-Methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
3,4-Methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
4-Chloro-3-methylphenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Acenaphthene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Acenaphthylene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Benz(a)anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Benzo(a)pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Benzo(b)fluoranthene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Benzo(k)fluoranthene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Carbazole	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Chrysene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Dibenz(a,h)anthracene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Dibenzofuran	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Fluoranthene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2C@7-8'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:40:00 PM
Lab ID:	1211B83-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Indeno(1,2,3-cd)pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Naphthalene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Pentachlorophenol	BRL	2.4		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Phenanthrene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Phenol	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Pyrene	BRL	0.46		mg/Kg-dry	169023	1	11/16/2012 16:35	YH
Surr: 2,4,6-Tribromophenol	78.2	40.4-136		%REC	169023	1	11/16/2012 16:35	YH
Surr: 2-Fluorobiphenyl	66.3	46.1-120		%REC	169023	1	11/16/2012 16:35	YH
Surr: 2-Fluorophenol	66.9	35.8-120		%REC	169023	1	11/16/2012 16:35	YH
Surr: 4-Terphenyl-d14	79.5	50.2-134		%REC	169023	1	11/16/2012 16:35	YH
Surr: Nitrobenzene-d5	66.3	38-120		%REC	169023	1	11/16/2012 16:35	YH
Surr: Phenol-d5	69	40-120		%REC	169023	1	11/16/2012 16:35	YH
PERCENT MOISTURE D2216								
Percent Moisture	29.0	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2C@11-12'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:50:00 PM
Lab ID:	1211B83-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Acetone	BRL	0.078		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
2-Butanone	BRL	0.039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
1,1,1-Trichloroethane	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Benzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
1,2-Dichloroethane	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Trichloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Toluene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Tetrachloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Ethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
m,p-Xylene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
o-Xylene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Styrene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
1,3,5-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
1,2,4-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 19:02	MD
Surr: 4-Bromofluorobenzene	97.2	63.8-133		%REC	169079	1	11/19/2012 19:02	MD
Surr: Dibromofluoromethane	98.7	74.3-130		%REC	169079	1	11/19/2012 19:02	MD
Surr: Toluene-d8	91.8	72.8-122		%REC	169079	1	11/19/2012 19:02	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Acenaphthylene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Anthracene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Benz(a)anthracene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Benzo(a)pyrene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Benzo(b)fluoranthene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Benzo(k)fluoranthene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Carbazole	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Chrysene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Dibenz(a,h)anthracene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Fluoranthene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU4-2C@11-12'
Project Name:	WC Meredith	**Collection Date:**	11/12/2012 4:50:00 PM
Lab ID:	1211B83-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Indeno(1,2,3-cd)pyrene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Naphthalene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Phenanthrene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Phenol	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Pyrene	BRL	0.45		mg/Kg-dry	169023	1	11/16/2012 17:28	YH
Surr: 2,4,6-Tribromophenol	79.1	40.4-136		%REC	169023	1	11/16/2012 17:28	YH
Surr: 2-Fluorobiphenyl	70	46.1-120		%REC	169023	1	11/16/2012 17:28	YH
Surr: 2-Fluorophenol	66.7	35.8-120		%REC	169023	1	11/16/2012 17:28	YH
Surr: 4-Terphenyl-d14	78.1	50.2-134		%REC	169023	1	11/16/2012 17:28	YH
Surr: Nitrobenzene-d5	66.4	38-120		%REC	169023	1	11/16/2012 17:28	YH
Surr: Phenol-d5	70.4	40-120		%REC	169023	1	11/16/2012 17:28	YH
PERCENT MOISTURE D2216								
Percent Moisture	27.4	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:00:00 AM
Lab ID:	1211B83-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Acetone	BRL	0.084		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
2-Butanone	BRL	0.042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
1,1,1-Trichloroethane	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Benzene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
1,2-Dichloroethane	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Trichloroethene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Toluene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Tetrachloroethene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Ethylbenzene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
m,p-Xylene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
o-Xylene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Styrene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
1,3,5-Trimethylbenzene	BRL	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
1,2,4-Trimethylbenzene	0.0042	0.0042		mg/Kg-dry	169079	1	11/16/2012 21:59	MD
Surr: 4-Bromofluorobenzene	105	63.8-133		%REC	169079	1	11/16/2012 21:59	MD
Surr: Dibromofluoromethane	97.4	74.3-130		%REC	169079	1	11/16/2012 21:59	MD
Surr: Toluene-d8	87.8	72.8-122		%REC	169079	1	11/16/2012 21:59	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Carbazole	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Chrysene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:00:00 AM
Lab ID:	1211B83-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Naphthalene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Phenol	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/16/2012 17:54	YH
Surr: 2,4,6-Tribromophenol	75.9	40.4-136		%REC	169023	1	11/16/2012 17:54	YH
Surr: 2-Fluorobiphenyl	66.9	46.1-120		%REC	169023	1	11/16/2012 17:54	YH
Surr: 2-Fluorophenol	61.6	35.8-120		%REC	169023	1	11/16/2012 17:54	YH
Surr: 4-Terphenyl-d14	74.2	50.2-134		%REC	169023	1	11/16/2012 17:54	YH
Surr: Nitrobenzene-d5	59.9	38-120		%REC	169023	1	11/16/2012 17:54	YH
Surr: Phenol-d5	63.5	40-120		%REC	169023	1	11/16/2012 17:54	YH
PERCENT MOISTURE D2216								
Percent Moisture	18.8	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:10:00 AM
Lab ID:	1211B83-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Acetone	BRL	0.075		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
2-Butanone	BRL	0.037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
1,1,1-Trichloroethane	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Benzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
1,2-Dichloroethane	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Trichloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Toluene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Tetrachloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Ethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
m,p-Xylene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
o-Xylene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Styrene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
1,3,5-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
1,2,4-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:26	MD
Surr: 4-Bromofluorobenzene	109	63.8-133		%REC	169079	1	11/16/2012 22:26	MD
Surr: Dibromofluoromethane	93.7	74.3-130		%REC	169079	1	11/16/2012 22:26	MD
Surr: Toluene-d8	88.7	72.8-122		%REC	169079	1	11/16/2012 22:26	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Carbazole	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Chrysene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:10:00 AM
Lab ID:	1211B83-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Naphthalene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Pentachlorophenol	4.3	2.1		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Phenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 18:20	YH
Surr: 2,4,6-Tribromophenol	73.8	40.4-136		%REC	169023	1	11/16/2012 18:20	YH
Surr: 2-Fluorobiphenyl	63	46.1-120		%REC	169023	1	11/16/2012 18:20	YH
Surr: 2-Fluorophenol	57.3	35.8-120		%REC	169023	1	11/16/2012 18:20	YH
Surr: 4-Terphenyl-d14	73.6	50.2-134		%REC	169023	1	11/16/2012 18:20	YH
Surr: Nitrobenzene-d5	56.8	38-120		%REC	169023	1	11/16/2012 18:20	YH
Surr: Phenol-d5	61.4	40-120		%REC	169023	1	11/16/2012 18:20	YH
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@23-24
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:20:00 AM
Lab ID:	1211B83-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Acetone	BRL	0.075	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
2-Butanone	BRL	0.037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
1,1,1-Trichloroethane	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Benzene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
1,2-Dichloroethane	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Trichloroethene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Toluene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Tetrachloroethene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Ethylbenzene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
m,p-Xylene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
o-Xylene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Styrene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
1,3,5-Trimethylbenzene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
1,2,4-Trimethylbenzene	BRL	0.0037	H	mg/Kg-dry	169593	1	12/03/2012 14:47	MD
Surr: 4-Bromofluorobenzene	96.7	63.8-133	H	%REC	169593	1	12/03/2012 14:47	MD
Surr: Dibromofluoromethane	93.5	74.3-130	H	%REC	169593	1	12/03/2012 14:47	MD
Surr: Toluene-d8	86.6	72.8-122	H	%REC	169593	1	12/03/2012 14:47	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2,4,6-Trichlorophenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2,4-Dimethylphenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2,4-Dinitrophenol	BRL	2.1	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2-Chlorophenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2-Methylnaphthalene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
2-Methylphenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
3,4-Methylphenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
4-Chloro-3-methylphenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Acenaphthene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Acenaphthylene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Anthracene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Benz(a)anthracene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Benzo(a)pyrene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Benzo(b)fluoranthene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Benzo(k)fluoranthene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Carbazole	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Chrysene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Dibenz(a,h)anthracene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Dibenzofuran	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Fluoranthene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1B@23-24
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 9:20:00 AM
Lab ID:	1211B83-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Naphthalene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Pentachlorophenol	BRL	2.1	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Phenanthrene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Phenol	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Pyrene	BRL	0.41	H	mg/Kg-dry	169789	1	12/07/2012 13:51	YH
Surr: 2,4,6-Tribromophenol	65.8	40.4-136	H	%REC	169789	1	12/07/2012 13:51	YH
Surr: 2-Fluorobiphenyl	68.7	46.1-120	H	%REC	169789	1	12/07/2012 13:51	YH
Surr: 2-Fluorophenol	63	35.8-120	H	%REC	169789	1	12/07/2012 13:51	YH
Surr: 4-Terphenyl-d14	82.1	50.2-134	H	%REC	169789	1	12/07/2012 13:51	YH
Surr: Nitrobenzene-d5	62.4	38-120	H	%REC	169789	1	12/07/2012 13:51	YH
Surr: Phenol-d5	66.2	40-120	H	%REC	169789	1	12/07/2012 13:51	YH
PERCENT MOISTURE D2216								
Percent Moisture	19.6	0		wt%	R234272	1	12/06/2012 10:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B@11-12
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 10:10:00 AM
Lab ID:	1211B83-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Acetone	BRL	0.090		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
2-Butanone	BRL	0.045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
1,1,1-Trichloroethane	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Benzene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
1,2-Dichloroethane	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Trichloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Toluene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Tetrachloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Ethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
m,p-Xylene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
o-Xylene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Styrene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
1,3,5-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
1,2,4-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/16/2012 21:32	MD
Surr: 4-Bromofluorobenzene	97.9	63.8-133		%REC	169079	1	11/16/2012 21:32	MD
Surr: Dibromofluoromethane	95.9	74.3-130		%REC	169079	1	11/16/2012 21:32	MD
Surr: Toluene-d8	89.9	72.8-122		%REC	169079	1	11/16/2012 21:32	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Carbazole	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Chrysene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B@11-12
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 10:10:00 AM
Lab ID:	1211B83-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Naphthalene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Phenol	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Pyrene	BRL	0.40		mg/Kg-dry	169023	1	11/16/2012 20:29	YH
Surr: 2,4,6-Tribromophenol	72.3	40.4-136		%REC	169023	1	11/16/2012 20:29	YH
Surr: 2-Fluorobiphenyl	63.2	46.1-120		%REC	169023	1	11/16/2012 20:29	YH
Surr: 2-Fluorophenol	58.5	35.8-120		%REC	169023	1	11/16/2012 20:29	YH
Surr: 4-Terphenyl-d14	71.9	50.2-134		%REC	169023	1	11/16/2012 20:29	YH
Surr: Nitrobenzene-d5	57.3	38-120		%REC	169023	1	11/16/2012 20:29	YH
Surr: Phenol-d5	61.9	40-120		%REC	169023	1	11/16/2012 20:29	YH
PERCENT MOISTURE D2216								
Percent Moisture	18.2	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 10:20:00 AM
Lab ID:	1211B83-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Acetone	BRL	0.074		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
2-Butanone	BRL	0.037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
1,1,1-Trichloroethane	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Benzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
1,2-Dichloroethane	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Trichloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Toluene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Tetrachloroethene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Ethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
m,p-Xylene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
o-Xylene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Styrene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
1,3,5-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
1,2,4-Trimethylbenzene	BRL	0.0037		mg/Kg-dry	169079	1	11/16/2012 22:53	MD
Surr: 4-Bromofluorobenzene	100	63.8-133		%REC	169079	1	11/16/2012 22:53	MD
Surr: Dibromofluoromethane	94.4	74.3-130		%REC	169079	1	11/16/2012 22:53	MD
Surr: Toluene-d8	91.1	72.8-122		%REC	169079	1	11/16/2012 22:53	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3B@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 10:20:00 AM
Lab ID:	1211B83-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 20:56	YH
Surr: 2,4,6-Tribromophenol	57	40.4-136		%REC	169023	1	11/16/2012 20:56	YH
Surr: 2-Fluorobiphenyl	50.3	46.1-120		%REC	169023	1	11/16/2012 20:56	YH
Surr: 2-Fluorophenol	46.8	35.8-120		%REC	169023	1	11/16/2012 20:56	YH
Surr: 4-Terphenyl-d14	57.2	50.2-134		%REC	169023	1	11/16/2012 20:56	YH
Surr: Nitrobenzene-d5	45.5	38-120		%REC	169023	1	11/16/2012 20:56	YH
Surr: Phenol-d5	50.3	40-120		%REC	169023	1	11/16/2012 20:56	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.0	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 1:50:00 PM
Lab ID:	1211B83-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Acetone	BRL	0.12		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
2-Butanone	BRL	0.059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
1,1,1-Trichloroethane	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Benzene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
1,2-Dichloroethane	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Trichloroethene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Toluene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Tetrachloroethene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Ethylbenzene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
m,p-Xylene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
o-Xylene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Styrene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
1,3,5-Trimethylbenzene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
1,2,4-Trimethylbenzene	BRL	0.0059		mg/Kg-dry	169079	1	11/19/2012 19:29	MD
Surr: 4-Bromofluorobenzene	90.6	63.8-133		%REC	169079	1	11/19/2012 19:29	MD
Surr: Dibromofluoromethane	99.1	74.3-130		%REC	169079	1	11/19/2012 19:29	MD
Surr: Toluene-d8	90.2	72.8-122		%REC	169079	1	11/19/2012 19:29	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 1:50:00 PM
Lab ID:	1211B83-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/16/2012 21:22	YH
Surr: 2,4,6-Tribromophenol	70	40.4-136		%REC	169023	1	11/16/2012 21:22	YH
Surr: 2-Fluorobiphenyl	59.8	46.1-120		%REC	169023	1	11/16/2012 21:22	YH
Surr: 2-Fluorophenol	60.2	35.8-120		%REC	169023	1	11/16/2012 21:22	YH
Surr: 4-Terphenyl-d14	73.6	50.2-134		%REC	169023	1	11/16/2012 21:22	YH
Surr: Nitrobenzene-d5	56.4	38-120		%REC	169023	1	11/16/2012 21:22	YH
Surr: Phenol-d5	61.4	40-120		%REC	169023	1	11/16/2012 21:22	YH
PERCENT MOISTURE D2216								
Percent Moisture	22.2	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 1:55:00 PM
Lab ID:	1211B83-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Acetone	BRL	0.080		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
2-Butanone	BRL	0.040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
1,1,1-Trichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Benzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
1,2-Dichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Trichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Toluene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Tetrachloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Ethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
m,p-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
o-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Styrene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
1,3,5-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
1,2,4-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 19:57	MD
Surr: 4-Bromofluorobenzene	104	63.8-133		%REC	169079	1	11/19/2012 19:57	MD
Surr: Dibromofluoromethane	102	74.3-130		%REC	169079	1	11/19/2012 19:57	MD
Surr: Toluene-d8	95.7	72.8-122		%REC	169079	1	11/19/2012 19:57	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Carbazole	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Chrysene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 1:55:00 PM
Lab ID:	1211B83-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Naphthalene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Phenol	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Pyrene	BRL	0.41		mg/Kg-dry	169023	1	11/19/2012 10:05	YH
Surr: 2,4,6-Tribromophenol	68.6	40.4-136		%REC	169023	1	11/19/2012 10:05	YH
Surr: 2-Fluorobiphenyl	61.6	46.1-120		%REC	169023	1	11/19/2012 10:05	YH
Surr: 2-Fluorophenol	62.1	35.8-120		%REC	169023	1	11/19/2012 10:05	YH
Surr: 4-Terphenyl-d14	69	50.2-134		%REC	169023	1	11/19/2012 10:05	YH
Surr: Nitrobenzene-d5	60.6	38-120		%REC	169023	1	11/19/2012 10:05	YH
Surr: Phenol-d5	62	40-120		%REC	169023	1	11/19/2012 10:05	YH
PERCENT MOISTURE D2216								
Percent Moisture	19.1	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:00:00 PM
Lab ID:	1211B83-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Acetone	BRL	0.088	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
2-Butanone	BRL	0.044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
1,1,1-Trichloroethane	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Benzene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
1,2-Dichloroethane	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Trichloroethene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Toluene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Tetrachloroethene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Ethylbenzene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
m,p-Xylene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
o-Xylene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Styrene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
1,3,5-Trimethylbenzene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
1,2,4-Trimethylbenzene	BRL	0.0044	H	mg/Kg-dry	169593	1	12/03/2012 15:14	MD
Surr: 4-Bromofluorobenzene	99.9	63.8-133	H	%REC	169593	1	12/03/2012 15:14	MD
Surr: Dibromofluoromethane	96.6	74.3-130	H	%REC	169593	1	12/03/2012 15:14	MD
Surr: Toluene-d8	89.2	72.8-122	H	%REC	169593	1	12/03/2012 15:14	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2,4,6-Trichlorophenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2,4-Dimethylphenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2,4-Dinitrophenol	BRL	2.1	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2-Chlorophenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2-Methylnaphthalene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
2-Methylphenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
3,4-Methylphenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
4-Chloro-3-methylphenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Acenaphthene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Acenaphthylene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Anthracene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Benz(a)anthracene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Benzo(a)pyrene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Benzo(b)fluoranthene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Benzo(k)fluoranthene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Carbazole	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Chrysene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Dibenz(a,h)anthracene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Dibenzofuran	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Fluoranthene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1C@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:00:00 PM
Lab ID:	1211B83-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Naphthalene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Pentachlorophenol	BRL	2.1	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Phenanthrene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Phenol	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Pyrene	BRL	0.41	H	mg/Kg-dry	169601	1	12/04/2012 17:02	YH
Surr: 2,4,6-Tribromophenol	69.7	40.4-136	H	%REC	169601	1	12/04/2012 17:02	YH
Surr: 2-Fluorobiphenyl	66	46.1-120	H	%REC	169601	1	12/04/2012 17:02	YH
Surr: 2-Fluorophenol	69	35.8-120	H	%REC	169601	1	12/04/2012 17:02	YH
Surr: 4-Terphenyl-d14	79.5	50.2-134	H	%REC	169601	1	12/04/2012 17:02	YH
Surr: Nitrobenzene-d5	62.3	38-120	H	%REC	169601	1	12/04/2012 17:02	YH
Surr: Phenol-d5	72.1	40-120	H	%REC	169601	1	12/04/2012 17:02	YH
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R234272	1	12/06/2012 10:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1D@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:30:00 PM
Lab ID:	1211B83-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Acetone	BRL	0.080		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
2-Butanone	BRL	0.040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
1,1,1-Trichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Benzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
1,2-Dichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Trichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Toluene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Tetrachloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Ethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
m,p-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
o-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Styrene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
1,3,5-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
1,2,4-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:24	MD
Surr: 4-Bromofluorobenzene	102	63.8-133		%REC	169079	1	11/19/2012 20:24	MD
Surr: Dibromofluoromethane	101	74.3-130		%REC	169079	1	11/19/2012 20:24	MD
Surr: Toluene-d8	90.5	72.8-122		%REC	169079	1	11/19/2012 20:24	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Carbazole	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Chrysene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1D@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:30:00 PM
Lab ID:	1211B83-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Phenol	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Pyrene	BRL	0.42		mg/Kg-dry	169023	1	11/19/2012 10:58	YH
Surr: 2,4,6-Tribromophenol	71	40.4-136		%REC	169023	1	11/19/2012 10:58	YH
Surr: 2-Fluorobiphenyl	62.2	46.1-120		%REC	169023	1	11/19/2012 10:58	YH
Surr: 2-Fluorophenol	62.1	35.8-120		%REC	169023	1	11/19/2012 10:58	YH
Surr: 4-Terphenyl-d14	74.4	50.2-134		%REC	169023	1	11/19/2012 10:58	YH
Surr: Nitrobenzene-d5	59.1	38-120		%REC	169023	1	11/19/2012 10:58	YH
Surr: Phenol-d5	64.8	40-120		%REC	169023	1	11/19/2012 10:58	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.6	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1D@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:20:00 PM
Lab ID:	1211B83-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Acetone	BRL	0.080		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
2-Butanone	BRL	0.040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
1,1,1-Trichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Benzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
1,2-Dichloroethane	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Trichloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Toluene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Tetrachloroethene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Ethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
m,p-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
o-Xylene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Styrene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
1,3,5-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
1,2,4-Trimethylbenzene	BRL	0.0040		mg/Kg-dry	169079	1	11/19/2012 20:51	MD
Surr: 4-Bromofluorobenzene	103	63.8-133		%REC	169079	1	11/19/2012 20:51	MD
Surr: Dibromofluoromethane	99.4	74.3-130		%REC	169079	1	11/19/2012 20:51	MD
Surr: Toluene-d8	91	72.8-122		%REC	169079	1	11/19/2012 20:51	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Anthracene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Carbazole	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Chrysene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1D@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 2:20:00 PM
Lab ID:	1211B83-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Naphthalene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Phenol	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Pyrene	BRL	0.42		mg/Kg-dry	169083	1	11/19/2012 19:09	YH
Surr: 2,4,6-Tribromophenol	60.3	40.4-136		%REC	169083	1	11/19/2012 19:09	YH
Surr: 2-Fluorobiphenyl	55.1	46.1-120		%REC	169083	1	11/19/2012 19:09	YH
Surr: 2-Fluorophenol	49.1	35.8-120		%REC	169083	1	11/19/2012 19:09	YH
Surr: 4-Terphenyl-d14	62	50.2-134		%REC	169083	1	11/19/2012 19:09	YH
Surr: Nitrobenzene-d5	47.3	38-120		%REC	169083	1	11/19/2012 19:09	YH
Surr: Phenol-d5	53.2	40-120		%REC	169083	1	11/19/2012 19:09	YH
PERCENT MOISTURE D2216								
Percent Moisture	21.9	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:10:00 PM
Lab ID:	1211B83-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Acetone	BRL	0.096		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
2-Butanone	BRL	0.048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
1,1,1-Trichloroethane	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Benzene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
1,2-Dichloroethane	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Trichloroethene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Toluene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Tetrachloroethene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Ethylbenzene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
m,p-Xylene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
o-Xylene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Styrene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
1,3,5-Trimethylbenzene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
1,2,4-Trimethylbenzene	BRL	0.0048		mg/Kg-dry	169079	1	11/19/2012 21:19	MD
Surr: 4-Bromofluorobenzene	94.9	63.8-133		%REC	169079	1	11/19/2012 21:19	MD
Surr: Dibromofluoromethane	100	74.3-130		%REC	169079	1	11/19/2012 21:19	MD
Surr: Toluene-d8	94.3	72.8-122		%REC	169079	1	11/19/2012 21:19	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2,4,6-Trichlorophenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2,4-Dimethylphenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2-Chlorophenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2-Methylnaphthalene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
2-Methylphenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
3,4-Methylphenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
4-Chloro-3-methylphenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Acenaphthene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Acenaphthylene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Anthracene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Benz(a)anthracene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Benzo(a)pyrene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Benzo(b)fluoranthene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Benzo(k)fluoranthene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Carbazole	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Chrysene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Dibenz(a,h)anthracene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Dibenzofuran	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Fluoranthene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:10:00 PM
Lab ID:	1211B83-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Indeno(1,2,3-cd)pyrene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Naphthalene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Phenanthrene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Phenol	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Pyrene	BRL	0.43		mg/Kg-dry	169083	1	11/19/2012 19:36	YH
Surr: 2,4,6-Tribromophenol	65.3	40.4-136		%REC	169083	1	11/19/2012 19:36	YH
Surr: 2-Fluorobiphenyl	59.2	46.1-120		%REC	169083	1	11/19/2012 19:36	YH
Surr: 2-Fluorophenol	55	35.8-120		%REC	169083	1	11/19/2012 19:36	YH
Surr: 4-Terphenyl-d14	67.3	50.2-134		%REC	169083	1	11/19/2012 19:36	YH
Surr: Nitrobenzene-d5	54.4	38-120		%REC	169083	1	11/19/2012 19:36	YH
Surr: Phenol-d5	55.8	40-120		%REC	169083	1	11/19/2012 19:36	YH
PERCENT MOISTURE D2216								
Percent Moisture	22.5	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@11-12
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:20:00 PM
Lab ID:	1211B83-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Acetone	BRL	0.077		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
2-Butanone	BRL	0.039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
1,1,1-Trichloroethane	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Benzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
1,2-Dichloroethane	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Trichloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Toluene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Tetrachloroethene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Ethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
m,p-Xylene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
o-Xylene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Styrene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
1,3,5-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
1,2,4-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	169079	1	11/19/2012 21:46	MD
Surr: 4-Bromofluorobenzene	103	63.8-133		%REC	169079	1	11/19/2012 21:46	MD
Surr: Dibromofluoromethane	98.3	74.3-130		%REC	169079	1	11/19/2012 21:46	MD
Surr: Toluene-d8	91.9	72.8-122		%REC	169079	1	11/19/2012 21:46	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Anthracene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Carbazole	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Chrysene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@11-12
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:20:00 PM
Lab ID:	1211B83-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Naphthalene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Phenol	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Pyrene	BRL	0.40		mg/Kg-dry	169083	1	11/19/2012 16:37	YH
Surr: 2,4,6-Tribromophenol	53.1	40.4-136		%REC	169083	1	11/19/2012 16:37	YH
Surr: 2-Fluorobiphenyl	53.6	46.1-120		%REC	169083	1	11/19/2012 16:37	YH
Surr: 2-Fluorophenol	46	35.8-120		%REC	169083	1	11/19/2012 16:37	YH
Surr: 4-Terphenyl-d14	61.7	50.2-134		%REC	169083	1	11/19/2012 16:37	YH
Surr: Nitrobenzene-d5	48.7	38-120		%REC	169083	1	11/19/2012 16:37	YH
Surr: Phenol-d5	48.9	40-120		%REC	169083	1	11/19/2012 16:37	YH
PERCENT MOISTURE D2216								
Percent Moisture	17.7	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:30:00 PM
Lab ID:	1211B83-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Acetone	BRL	0.082		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
2-Butanone	BRL	0.041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
1,1,1-Trichloroethane	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Benzene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
1,2-Dichloroethane	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Trichloroethene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Toluene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Tetrachloroethene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Ethylbenzene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
m,p-Xylene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
o-Xylene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Styrene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
1,3,5-Trimethylbenzene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
1,2,4-Trimethylbenzene	BRL	0.0041		mg/Kg-dry	169079	1	11/19/2012 22:13	MD
Surr: 4-Bromofluorobenzene	102	63.8-133		%REC	169079	1	11/19/2012 22:13	MD
Surr: Dibromofluoromethane	100	74.3-130		%REC	169079	1	11/19/2012 22:13	MD
Surr: Toluene-d8	92.5	72.8-122		%REC	169079	1	11/19/2012 22:13	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Anthracene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Carbazole	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Chrysene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Fluoranthene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-3C@19-20
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 4:30:00 PM
Lab ID:	1211B83-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Naphthalene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Phenanthrene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Phenol	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Pyrene	BRL	0.39		mg/Kg-dry	169083	1	11/19/2012 20:02	YH
Surr: 2,4,6-Tribromophenol	50.3	40.4-136		%REC	169083	1	11/19/2012 20:02	YH
Surr: 2-Fluorobiphenyl	47.9	46.1-120		%REC	169083	1	11/19/2012 20:02	YH
Surr: 2-Fluorophenol	44.6	35.8-120		%REC	169083	1	11/19/2012 20:02	YH
Surr: 4-Terphenyl-d14	55.5	50.2-134		%REC	169083	1	11/19/2012 20:02	YH
Surr: Nitrobenzene-d5	45.6	38-120		%REC	169083	1	11/19/2012 20:02	YH
Surr: Phenol-d5	45.3	40-120		%REC	169083	1	11/19/2012 20:02	YH
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-2B@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 3:20:00 PM
Lab ID:	1211B83-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Acetone	BRL	0.15		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
2-Butanone	BRL	0.074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
1,1,1-Trichloroethane	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Benzene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
1,2-Dichloroethane	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Trichloroethene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Toluene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Tetrachloroethene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Ethylbenzene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
m,p-Xylene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
o-Xylene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Styrene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
1,3,5-Trimethylbenzene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
1,2,4-Trimethylbenzene	BRL	0.0074		mg/Kg-dry	169213	1	11/20/2012 15:09	MD
Surr: 4-Bromofluorobenzene	92.8	63.8-133		%REC	169213	1	11/20/2012 15:09	MD
Surr: Dibromofluoromethane	99.6	74.3-130		%REC	169213	1	11/20/2012 15:09	MD
Surr: Toluene-d8	94.3	72.8-122		%REC	169213	1	11/20/2012 15:09	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Anthracene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Carbazole	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Chrysene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-2B@7-8
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 3:20:00 PM
Lab ID:	1211B83-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Naphthalene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Phenol	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Pyrene	BRL	0.40		mg/Kg-dry	169282	1	11/23/2012 16:19	YH
Surr: 2,4,6-Tribromophenol	61.5	40.4-136		%REC	169282	1	11/23/2012 16:19	YH
Surr: 2-Fluorobiphenyl	56.5	46.1-120		%REC	169282	1	11/23/2012 16:19	YH
Surr: 2-Fluorophenol	51.9	35.8-120		%REC	169282	1	11/23/2012 16:19	YH
Surr: 4-Terphenyl-d14	64.4	50.2-134		%REC	169282	1	11/23/2012 16:19	YH
Surr: Nitrobenzene-d5	51.2	38-120		%REC	169282	1	11/23/2012 16:19	YH
Surr: Phenol-d5	51.6	40-120		%REC	169282	1	11/23/2012 16:19	YH
PERCENT MOISTURE D2216								
Percent Moisture	17.4	0		wt%	R233560	1	11/23/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-2B@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 3:30:00 PM
Lab ID:	1211B83-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Acetone	BRL	0.090		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
2-Butanone	BRL	0.045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
1,1,1-Trichloroethane	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Benzene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
1,2-Dichloroethane	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Trichloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Toluene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Tetrachloroethene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Ethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
m,p-Xylene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
o-Xylene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Styrene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
1,3,5-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
1,2,4-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	169079	1	11/19/2012 22:41	MD
Surr: 4-Bromofluorobenzene	99.7	63.8-133		%REC	169079	1	11/19/2012 22:41	MD
Surr: Dibromofluoromethane	95.1	74.3-130		%REC	169079	1	11/19/2012 22:41	MD
Surr: Toluene-d8	91.1	72.8-122		%REC	169079	1	11/19/2012 22:41	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2,4,6-Trichlorophenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2,4-Dimethylphenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2,4-Dinitrophenol	BRL	1.9		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2-Chlorophenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2-Methylnaphthalene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
2-Methylphenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
3,4-Methylphenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
4-Chloro-3-methylphenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Acenaphthene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Acenaphthylene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Anthracene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Benz(a)anthracene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Benzo(a)pyrene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Benzo(b)fluoranthene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Benzo(k)fluoranthene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Carbazole	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Chrysene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Dibenz(a,h)anthracene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Dibenzofuran	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Fluoranthene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-2B@15-16
Project Name:	WC Meredith	**Collection Date:**	11/13/2012 3:30:00 PM
Lab ID:	1211B83-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3550C)								
Fluorene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Indeno(1,2,3-cd)pyrene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Naphthalene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Pentachlorophenol	BRL	1.9		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Phenanthrene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Phenol	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Pyrene	BRL	0.37		mg/Kg-dry	169083	1	11/20/2012 14:01	KD
Surr: 2,4,6-Tribromophenol	43.5	40.4-136		%REC	169083	1	11/20/2012 14:01	KD
Surr: 2-Fluorobiphenyl	44.3	46.1-120	S	%REC	169083	1	11/20/2012 14:01	KD
Surr: 2-Fluorophenol	36.2	35.8-120		%REC	169083	1	11/20/2012 14:01	KD
Surr: 4-Terphenyl-d14	54.7	50.2-134		%REC	169083	1	11/20/2012 14:01	KD
Surr: Nitrobenzene-d5	40.4	38-120		%REC	169083	1	11/20/2012 14:01	KD
Surr: Phenol-d5	40.5	40-120		%REC	169083	1	11/20/2012 14:01	KD
PERCENT MOISTURE D2216								
Percent Moisture	10.6	0		wt%	R233362	1	11/20/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-24
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:15:00 PM
Lab ID:	1211B83-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Acetone	BRL	50		ug/L	169193	1	11/19/2012 16:24	JT
2-Butanone	BRL	50		ug/L	169193	1	11/19/2012 16:24	JT
1,1,1-Trichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Benzene	18	1.0		ug/L	169193	1	11/19/2012 16:24	JT
1,2-Dichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Trichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Toluene	19	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Tetrachloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Ethylbenzene	51	1.0		ug/L	169193	1	11/19/2012 16:24	JT
m,p-Xylene	94	2.0		ug/L	169193	1	11/19/2012 16:24	JT
o-Xylene	42	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Styrene	5.3	1.0		ug/L	169193	1	11/19/2012 16:24	JT
1,3,5-Trimethylbenzene	17	1.0		ug/L	169193	1	11/19/2012 16:24	JT
1,2,4-Trimethylbenzene	59	1.0		ug/L	169193	1	11/19/2012 16:24	JT
Surr: 4-Bromofluorobenzene	106	64.6-123		%REC	169193	1	11/19/2012 16:24	JT
Surr: Dibromofluoromethane	89.6	76.6-133		%REC	169193	1	11/19/2012 16:24	JT
Surr: Toluene-d8	88.3	77.8-120		%REC	169193	1	11/19/2012 16:24	JT
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	26	10		ug/L	169026	1	11/19/2012 15:20	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
2,4-Dimethylphenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
2,4-Dinitrophenol	BRL	25		ug/L	169026	1	11/19/2012 15:20	YH
2-Chlorophenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
2-Methylnaphthalene	650	100		ug/L	169026	10	11/20/2012 13:09	KD
2-Methylphenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
3,4-Methylphenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Acenaphthene	240	100		ug/L	169026	10	11/20/2012 13:09	KD
Acenaphthylene	11	10		ug/L	169026	1	11/19/2012 15:20	YH
Anthracene	17	10		ug/L	169026	1	11/19/2012 15:20	YH
Benz(a)anthracene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Benzo(a)pyrene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Benzo(b)fluoranthene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Carbazole	71	10		ug/L	169026	1	11/19/2012 15:20	YH
Chrysene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Dibenzofuran	150	10		ug/L	169026	1	11/19/2012 15:20	YH
Fluoranthene	19	10		ug/L	169026	1	11/19/2012 15:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-24
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:15:00 PM
Lab ID:	1211B83-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D (SW3510C)								
Fluorene	130	10		ug/L	169026	1	11/19/2012 15:20	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Naphthalene	6900	1000		ug/L	169026	100	11/20/2012 14:53	KD
Pentachlorophenol	76	25		ug/L	169026	1	11/19/2012 15:20	YH
Phenanthrene	120	10		ug/L	169026	1	11/19/2012 15:20	YH
Phenol	BRL	10		ug/L	169026	1	11/19/2012 15:20	YH
Pyrene	10	10		ug/L	169026	1	11/19/2012 15:20	YH
Surr: 2,4,6-Tribromophenol	110	50.9-150		%REC	169026	1	11/19/2012 15:20	YH
Surr: 2-Fluorobiphenyl	89.9	50.7-121		%REC	169026	1	11/19/2012 15:20	YH
Surr: 2-Fluorophenol	53.1	25.6-120		%REC	169026	1	11/19/2012 15:20	YH
Surr: 4-Terphenyl-d14	80.4	44-147		%REC	169026	1	11/19/2012 15:20	YH
Surr: Nitrobenzene-d5	107	41.6-120		%REC	169026	1	11/19/2012 15:20	YH
Surr: Phenol-d5	36.7	13-120		%REC	169026	1	11/19/2012 15:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-25
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:30:00 PM
Lab ID:	1211B83-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Acetone	BRL	50		ug/L	169193	1	11/19/2012 16:53	JT
2-Butanone	BRL	50		ug/L	169193	1	11/19/2012 16:53	JT
1,1,1-Trichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Benzene	57	1.0		ug/L	169193	1	11/19/2012 16:53	JT
1,2-Dichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Trichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Toluene	71	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Tetrachloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Ethylbenzene	89	1.0		ug/L	169193	1	11/19/2012 16:53	JT
m,p-Xylene	180	2.0		ug/L	169193	1	11/19/2012 16:53	JT
o-Xylene	82	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Styrene	16	1.0		ug/L	169193	1	11/19/2012 16:53	JT
1,3,5-Trimethylbenzene	45	1.0		ug/L	169193	1	11/19/2012 16:53	JT
1,2,4-Trimethylbenzene	120	1.0		ug/L	169193	1	11/19/2012 16:53	JT
Surr: 4-Bromofluorobenzene	96.2	64.6-123		%REC	169193	1	11/19/2012 16:53	JT
Surr: Dibromofluoromethane	89.7	76.6-133		%REC	169193	1	11/19/2012 16:53	JT
Surr: Toluene-d8	86.3	77.8-120		%REC	169193	1	11/19/2012 16:53	JT
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	95	10		ug/L	169026	1	11/19/2012 15:46	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
2,4-Dimethylphenol	21	10		ug/L	169026	1	11/19/2012 15:46	YH
2,4-Dinitrophenol	BRL	25		ug/L	169026	1	11/19/2012 15:46	YH
2-Chlorophenol	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
2-Methylnaphthalene	1100	100		ug/L	169026	10	11/20/2012 13:36	KD
2-Methylphenol	130	10		ug/L	169026	1	11/19/2012 15:46	YH
3,4-Methylphenol	57	10		ug/L	169026	1	11/19/2012 15:46	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Acenaphthene	450	100		ug/L	169026	10	11/20/2012 13:36	KD
Acenaphthylene	18	10		ug/L	169026	1	11/19/2012 15:46	YH
Anthracene	60	10		ug/L	169026	1	11/19/2012 15:46	YH
Benz(a)anthracene	16	10		ug/L	169026	1	11/19/2012 15:46	YH
Benzo(a)pyrene	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Benzo(b)fluoranthene	11	10		ug/L	169026	1	11/19/2012 15:46	YH
Benzo(k)fluoranthene	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Carbazole	380	100		ug/L	169026	10	11/20/2012 13:36	KD
Chrysene	13	10		ug/L	169026	1	11/19/2012 15:46	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Dibenzofuran	320	100		ug/L	169026	10	11/20/2012 13:36	KD
Fluoranthene	110	10		ug/L	169026	1	11/19/2012 15:46	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-25
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:30:00 PM
Lab ID:	1211B83-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	250	100		ug/L	169026	10	11/20/2012 13:36	KD
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Naphthalene	13000	1000		ug/L	169026	100	11/20/2012 14:27	KD
Pentachlorophenol	360	250		ug/L	169026	10	11/20/2012 13:36	KD
Phenanthrene	360	100		ug/L	169026	10	11/20/2012 13:36	KD
Phenol	BRL	10		ug/L	169026	1	11/19/2012 15:46	YH
Pyrene	59	10		ug/L	169026	1	11/19/2012 15:46	YH
Surr: 2,4,6-Tribromophenol	110	50.9-150		%REC	169026	1	11/19/2012 15:46	YH
Surr: 2-Fluorobiphenyl	87.6	50.7-121		%REC	169026	1	11/19/2012 15:46	YH
Surr: 2-Fluorophenol	62.5	25.6-120		%REC	169026	1	11/19/2012 15:46	YH
Surr: 4-Terphenyl-d14	67.5	44-147		%REC	169026	1	11/19/2012 15:46	YH
Surr: Nitrobenzene-d5	154	41.6-120	S	%REC	169026	1	11/19/2012 15:46	YH
Surr: Phenol-d5	45	13-120		%REC	169026	1	11/19/2012 15:46	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-26
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:45:00 PM
Lab ID:	1211B83-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Acetone	BRL	50		ug/L	169193	1	11/19/2012 17:23	JT
2-Butanone	BRL	50		ug/L	169193	1	11/19/2012 17:23	JT
1,1,1-Trichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Benzene	2.0	1.0		ug/L	169193	1	11/19/2012 17:23	JT
1,2-Dichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Trichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Toluene	29	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Tetrachloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Ethylbenzene	69	1.0		ug/L	169193	1	11/19/2012 17:23	JT
m,p-Xylene	110	2.0		ug/L	169193	1	11/19/2012 17:23	JT
o-Xylene	50	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Styrene	12	1.0		ug/L	169193	1	11/19/2012 17:23	JT
1,3,5-Trimethylbenzene	53	1.0		ug/L	169193	1	11/19/2012 17:23	JT
1,2,4-Trimethylbenzene	120	1.0		ug/L	169193	1	11/19/2012 17:23	JT
Surr: 4-Bromofluorobenzene	102	64.6-123		%REC	169193	1	11/19/2012 17:23	JT
Surr: Dibromofluoromethane	92.5	76.6-133		%REC	169193	1	11/19/2012 17:23	JT
Surr: Toluene-d8	87.7	77.8-120		%REC	169193	1	11/19/2012 17:23	JT
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	36	10		ug/L	169116	1	11/20/2012 11:24	KD
2,4,6-Trichlorophenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
2,4-Dimethylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
2,4-Dinitrophenol	BRL	25		ug/L	169116	1	11/20/2012 11:24	KD
2-Chlorophenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
2-Methylnaphthalene	1000	100		ug/L	169116	10	11/20/2012 15:19	KD
2-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
3,4-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
4-Chloro-3-methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Acenaphthene	260	100		ug/L	169116	10	11/20/2012 15:19	KD
Acenaphthylene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Anthracene	24	10		ug/L	169116	1	11/20/2012 11:24	KD
Benz(a)anthracene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Benzo(a)pyrene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Benzo(b)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Benzo(k)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Carbazole	280	100		ug/L	169116	10	11/20/2012 15:19	KD
Chrysene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Dibenz(a,h)anthracene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Dibenzofuran	230	100		ug/L	169116	10	11/20/2012 15:19	KD
Fluoranthene	11	10		ug/L	169116	1	11/20/2012 11:24	KD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-26
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 1:45:00 PM
Lab ID:	1211B83-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	130	10		ug/L	169116	1	11/20/2012 11:24	KD
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Naphthalene	11000	1000		ug/L	169116	100	11/20/2012 16:12	KD
Pentachlorophenol	550	250		ug/L	169116	10	11/20/2012 15:19	KD
Phenanthrene	120	10		ug/L	169116	1	11/20/2012 11:24	KD
Phenol	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Pyrene	BRL	10		ug/L	169116	1	11/20/2012 11:24	KD
Surr: 2,4,6-Tribromophenol	124	50.9-150		%REC	169116	1	11/20/2012 11:24	KD
Surr: 2-Fluorobiphenyl	99.2	50.7-121		%REC	169116	1	11/20/2012 11:24	KD
Surr: 2-Fluorophenol	64.4	25.6-120		%REC	169116	1	11/20/2012 11:24	KD
Surr: 4-Terphenyl-d14	91	44-147		%REC	169116	1	11/20/2012 11:24	KD
Surr: Nitrobenzene-d5	132	41.6-120	S	%REC	169116	1	11/20/2012 11:24	KD
Surr: Phenol-d5	42.4	13-120		%REC	169116	1	11/20/2012 11:24	KD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-28
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 2:00:00 PM
Lab ID:	1211B83-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Acetone	BRL	50		ug/L	169193	1	11/19/2012 17:53	JT
2-Butanone	BRL	50		ug/L	169193	1	11/19/2012 17:53	JT
1,1,1-Trichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Benzene	1.1	1.0		ug/L	169193	1	11/19/2012 17:53	JT
1,2-Dichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Trichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Toluene	1.0	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Tetrachloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Ethylbenzene	9.6	1.0		ug/L	169193	1	11/19/2012 17:53	JT
m,p-Xylene	36	2.0		ug/L	169193	1	11/19/2012 17:53	JT
o-Xylene	14	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Styrene	BRL	1.0		ug/L	169193	1	11/19/2012 17:53	JT
1,3,5-Trimethylbenzene	46	1.0		ug/L	169193	1	11/19/2012 17:53	JT
1,2,4-Trimethylbenzene	120	1.0		ug/L	169193	1	11/19/2012 17:53	JT
Surr: 4-Bromofluorobenzene	105	64.6-123		%REC	169193	1	11/19/2012 17:53	JT
Surr: Dibromofluoromethane	92.1	76.6-133		%REC	169193	1	11/19/2012 17:53	JT
Surr: Toluene-d8	86.8	77.8-120		%REC	169193	1	11/19/2012 17:53	JT
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	21	10		ug/L	169116	1	11/20/2012 11:51	KD
2,4,6-Trichlorophenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
2,4-Dimethylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
2,4-Dinitrophenol	BRL	25		ug/L	169116	1	11/20/2012 11:51	KD
2-Chlorophenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
2-Methylnaphthalene	940	100		ug/L	169116	10	11/20/2012 15:46	KD
2-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
3,4-Methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
4-Chloro-3-methylphenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Acenaphthene	97	10		ug/L	169116	1	11/20/2012 11:51	KD
Acenaphthylene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Anthracene	18	10		ug/L	169116	1	11/20/2012 11:51	KD
Benz(a)anthracene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Benzo(a)pyrene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Benzo(b)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Benzo(k)fluoranthene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Carbazole	100	10		ug/L	169116	1	11/20/2012 11:51	KD
Chrysene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Dibenz(a,h)anthracene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Dibenzofuran	270	100		ug/L	169116	10	11/20/2012 15:46	KD
Fluoranthene	28	10		ug/L	169116	1	11/20/2012 11:51	KD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-28
Project Name:	WC Meredith	**Collection Date:**	11/14/2012 2:00:00 PM
Lab ID:	1211B83-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	120	10		ug/L	169116	1	11/20/2012 11:51	KD
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Naphthalene	4500	1000		ug/L	169116	100	11/20/2012 19:14	KD
Pentachlorophenol	570	250		ug/L	169116	10	11/20/2012 15:46	KD
Phenanthrene	220	100		ug/L	169116	10	11/20/2012 15:46	KD
Phenol	BRL	10		ug/L	169116	1	11/20/2012 11:51	KD
Pyrene	13	10		ug/L	169116	1	11/20/2012 11:51	KD
Surr: 2,4,6-Tribromophenol	123	50.9-150		%REC	169116	1	11/20/2012 11:51	KD
Surr: 2-Fluorobiphenyl	102	50.7-121		%REC	169116	1	11/20/2012 11:51	KD
Surr: 2-Fluorophenol	71.1	25.6-120		%REC	169116	1	11/20/2012 11:51	KD
Surr: 4-Terphenyl-d14	111	44-147		%REC	169116	1	11/20/2012 11:51	KD
Surr: Nitrobenzene-d5	109	41.6-120		%REC	169116	1	11/20/2012 11:51	KD
Surr: Phenol-d5	50.4	13-120		%REC	169116	1	11/20/2012 11:51	KD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jan-13

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 1
Project Name:	WC Meredith	**Collection Date:**	11/14/2012
Lab ID:	1211B83-035	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Acetone	BRL	50		ug/L	169193	1	11/19/2012 19:22	JT
2-Butanone	BRL	50		ug/L	169193	1	11/19/2012 19:22	JT
1,1,1-Trichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Benzene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
1,2-Dichloroethane	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Trichloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Toluene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Tetrachloroethene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Ethylbenzene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
m,p-Xylene	BRL	2.0		ug/L	169193	1	11/19/2012 19:22	JT
o-Xylene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Styrene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	169193	1	11/19/2012 19:22	JT
Surr: 4-Bromofluorobenzene	92.3	64.6-123		%REC	169193	1	11/19/2012 19:22	JT
Surr: Dibromofluoromethane	90.1	76.6-133		%REC	169193	1	11/19/2012 19:22	JT
Surr: Toluene-d8	85.1	77.8-120		%REC	169193	1	11/19/2012 19:22	JT

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Enviorisk Work Order Number 1211B83

Checklist completed by BMtch 11/15/12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.4 Cooler #2 3.7 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by BM

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	330	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
1,2-Dinitrobenzene	BRL	660	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	BRL	330	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	BRL	660	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	660	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	BRL	330	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	BRL	330	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
1-Naphthylamine	BRL	660	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	330	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	BRL	330	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	660	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
2-Naphthylamine	BRL	660	0	0	0	0	0	0	0	0	
2-Nitroaniline	BRL	1700	0	0	0	0	0	0	0	0	
2-Nitrophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Picoline	BRL	330	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	BRL	660	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	BRL	660	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3-Chloroaniline	BRL	330	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	BRL	330	0	0	0	0	0	0	0	0	
3-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3-Nitroaniline	BRL	1700	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	BRL	1700	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	BRL	660	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloroaniline	BRL	330	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	BRL	330	0	0	0	0	0	0	0	0	
4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Nitroaniline	BRL	1700	0	0	0	0	0	0	0	0	
4-Nitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	BRL	1700	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	330	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	BRL	1700	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetophenone	BRL	330	0	0	0	0	0	0	0	0	
Allethrin	BRL	330	0	0	0	0	0	0	0	0	
Aniline	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Aramite	BRL	330	0	0	0	0	0	0	0	0	
Atrazine	BRL	330	0	0	0	0	0	0	0	0	
Baygon	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzaldehyde	BRL	330	0	0	0	0	0	0	0	0	
Benzidine	BRL	2600	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzoic acid	BRL	6600	0	0	0	0	0	0	0	0	
Benzyl alcohol	BRL	660	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	BRL	330	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	BRL	330	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	BRL	330	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	BRL	330	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	BRL	330	0	0	0	0	0	0	0	0	
Caprolactam	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chlorfenvinphos	0	0	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	330	0	0	0	0	0	0	0	0	
Chloropyrifos	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Di-n-butyl phthalate	BRL	330	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	BRL	330	0	0	0	0	0	0	0	0	
Diallate	BRL	330	0	0	0	0	0	0	0	0	
Diazinon	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Diethyl phthalate	BRL	330	0	0	0	0	0	0	0	0	
Dimethoate	BRL	660	0	0	0	0	0	0	0	0	
Dimethyl phthalate	BRL	330	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	BRL	330	0	0	0	0	0	0	0	0	
Diphenylamine	BRL	330	0	0	0	0	0	0	0	0	
Disulfoton	BRL	1900	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	BRL	660	0	0	0	0	0	0	0	0	
Famphur	BRL	660	0	0	0	0	0	0	0	0	
Fenvalerate	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	330	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	BRL	660	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	2600	0	0	0	0	0	0	0	0	
Hexachlorophene	BRL	17000	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	1700	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Isodrin	BRL	660	0	0	0	0	0	0	0	0	
Isophorone	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isosafrole	BRL	330	0	0	0	0	0	0	0	0	
Kepone	BRL	1700	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	660	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	BRL	1700	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	330	0	0	0	0	0	0	0	0	
MGK-264	BRL	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	BRL	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	BRL	330	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	660	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	BRL	660	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	BRL	330	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	330	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	660	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	BRL	660	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	1700	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	330	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	330	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	1300	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	BRL	330	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	17000	0	0	0	0	0	0	0	0	
Parathion	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorobenzene	BRL	330	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	BRL	660	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Perylene	BRL	330	0	0	0	0	0	0	0	0	
Phenacetin	BRL	660	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **MB-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	
Phenothrin	BRL	330	0	0	0	0	0	0	0	0	
Phorate	BRL	330	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	BRL	330	0	0	0	0	0	0	0	0	
Pronamide	BRL	330	0	0	0	0	0	0	0	0	
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Pyrethrin	BRL	1700	0	0	0	0	0	0	0	0	
Pyridine	BRL	330	0	0	0	0	0	0	0	0	
Resmethrin	BRL	330	0	0	0	0	0	0	0	0	
Safrole	BRL	330	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	330	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	660	0	0	0	0	0	0	0	0	
Tetramethrin	BRL	330	0	0	0	0	0	0	0	0	
Thionazin	BRL	660	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	2967	0	3333	0	89	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1277	0	1667	0	76.6	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2450	0	3333	0	73.5	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1460	0	1667	0	87.6	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1188	0	1667	0	71.3	38	120	0	0	0	
Surr: Phenol-d5	2561	0	3333	0	76.8	40	120	0	0	0	

Sample ID: **LCS-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2580	330	3333	0	77.4	55.6	110	0	0	0	
1,4-Dichlorobenzene	2444	330	3333	0	73.3	53.8	97.4	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **LCS-169023** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233128**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4881656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2700	330	3333	0	81	54.7	118	0	0	0	
2-Chlorophenol	2430	330	3333	0	72.9	54.5	109	0	0	0	
4-Chloro-3-methylphenol	2615	330	3333	0	78.5	56.6	115	0	0	0	
4-Nitrophenol	2068	1700	3333	0	62	40.4	107	0	0	0	
Acenaphthene	2665	330	3333	0	80	59.9	108	0	0	0	
N-Nitrosodi-n-propylamine	2402	330	3333	0	72.1	53.2	116	0	0	0	
Pentachlorophenol	2642	1700	3333	0	79.3	41	120	0	0	0	
Phenol	2279	330	3333	0	68.4	50.5	101	0	0	0	
Pyrene	2740	330	3333	0	82.2	60.2	121	0	0	0	
Surr: 2,4,6-Tribromophenol	3276	0	3333	0	98.3	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1307	0	1667	0	78.4	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2462	0	3333	0	73.9	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1570	0	1667	0	94.2	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1194	0	1667	0	71.6	38	120	0	0	0	
Surr: Phenol-d5	2632	0	3333	0	79	40	120	0	0	0	

Sample ID: **1211B83-005CMS** Client ID: **SB/TW-26@7-8'** Units: **ug/Kg-dry** Prep Date: **11/16/2012** Run No: **233128**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4882387**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2879	460	4600	0	62.6	53.1	120	0	0	0	
1,4-Dichlorobenzene	2810	460	4600	0	61.1	47.8	120	0	0	0	
2,4-Dinitrotoluene	2797	460	4600	0	60.8	41.6	120	0	0	0	
2-Chlorophenol	2798	460	4600	0	60.8	45.5	120	0	0	0	
4-Chloro-3-methylphenol	2829	460	4600	0	61.5	39.1	118	0	0	0	
4-Nitrophenol	BRL	2300	4600	0	42	31.4	120	0	0	0	
Acenaphthene	2861	460	4600	0	62.2	50	120	0	0	0	
N-Nitrosodi-n-propylamine	2760	460	4600	0	60	50.5	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **1211B83-005CMS** Client ID: **SB/TW-26@7-8'** Units: **ug/Kg-dry** Prep Date: **11/16/2012** Run No: **233128**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4882387**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	BRL	2300	4600	0	49.6	30.1	120	0	0	0	
Phenol	2650	460	4600	0	57.6	42.2	120	0	0	0	
Pyrene	3116	460	4600	0.2121	67.7	46.7	115	0	0	0	
Surr: 2,4,6-Tribromophenol	3219	0	4600	0	70	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1446	0	2300	0	62.9	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2738	0	4600	0	59.5	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1524	0	2300	0	66.3	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1400	0	2300	0	60.9	38	120	0	0	0	
Surr: Phenol-d5	3068	0	4600	0	66.7	40	120	0	0	0	

Sample ID: **1211B83-005CMSD** Client ID: **SB/TW-26@7-8'** Units: **ug/Kg-dry** Prep Date: **11/16/2012** Run No: **233128**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4882391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	3113	460	4609	0	67.5	53.1	120	2879	7.81	27.7	
1,4-Dichlorobenzene	2892	460	4609	0	62.7	47.8	120	2810	2.88	29.4	
2,4-Dinitrotoluene	3096	460	4609	0	67.2	41.6	120	2797	10.1	28.2	
2-Chlorophenol	2915	460	4609	0	63.2	45.5	120	2798	4.1	28.7	
4-Chloro-3-methylphenol	3182	460	4609	0	69	39.1	118	2829	11.8	31.3	
4-Nitrophenol	2512	2400	4609	0	54.5	31.4	120	1930	26.2	29.3	
Acenaphthene	3160	460	4609	0	68.6	50	120	2861	9.93	26.5	
N-Nitrosodi-n-propylamine	2954	460	4609	0	64.1	50.5	120	2760	6.78	24.2	
Pentachlorophenol	2665	2400	4609	0	57.8	30.1	120	2281	15.5	34.9	
Phenol	2757	460	4609	0	59.8	42.2	120	2650	3.98	27.1	
Pyrene	3652	460	4609	0.2121	79.2	46.7	115	3116	15.8	30.2	
Surr: 2,4,6-Tribromophenol	3800	0	4609	0	82.5	40.4	136	3219	0	0	
Surr: 2-Fluorobiphenyl	1653	0	2305	0	71.7	46.1	120	1446	0	0	
Surr: 2-Fluorophenol	3020	0	4609	0	65.5	35.8	120	2738	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169023

Sample ID: **1211B83-005CMSD** Client ID: **SB/TW-26@7-8'** Units: **ug/Kg-dry** Prep Date: **11/16/2012** Run No: **233128**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169023** Analysis Date: **11/16/2012** Seq No: **4882391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Terphenyl-d14	1798	0	2305	0	78	50.2	134	1524	0	0	
Surr: Nitrobenzene-d5	1555	0	2305	0	67.5	38	120	1400	0	0	
Surr: Phenol-d5	3424	0	4609	0	74.3	40	120	3068	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	BRL	10	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	20	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	BRL	10	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2,2´-oxybis(1-Chloropropane)	BRL	10	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	20	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
2-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2-Nitroaniline	BRL	50	0	0	0	0	0	0	0	0	
2-Nitrophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Picoline	BRL	10	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,3´-Dimethoxybenzidine	BRL	10	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	BRL	10	0	0	0	0	0	0	0	0	
3-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	BRL	25	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	BRL	10	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4-Nitrophenol	BRL	25	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	BRL	50	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	10	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	BRL	50	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	
Acetophenone	BRL	10	0	0	0	0	0	0	0	0	
Allethrin	BRL	10	0	0	0	0	0	0	0	0	
alpha-Terpineol	BRL	10	0	0	0	0	0	0	0	0	
Aniline	BRL	10	0	0	0	0	0	0	0	0	
Anthracene	BRL	10	0	0	0	0	0	0	0	0	
Aramite	BRL	10	0	0	0	0	0	0	0	0	
Atrazine	BRL	10	0	0	0	0	0	0	0	0	
Baygon	BRL	10	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benzaldehyde	BRL	10	0	0	0	0	0	0	0	0	
Benzidine	BRL	80	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzoic acid	BRL	100	0	0	0	0	0	0	0	0	
Benzyl alcohol	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	BRL	10	0	0	0	0	0	0	0	0	
Bis(chloromethyl) ether	BRL	100	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Caprolactam	BRL	10	0	0	0	0	0	0	0	0	
Carbazole	BRL	10	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloropyrifos	BRL	10	0	0	0	0	0	0	0	0	
Chrysene	BRL	10	0	0	0	0	0	0	0	0	
Di-n-butyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Diallate	BRL	10	0	0	0	0	0	0	0	0	
Diazinon	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	BRL	10	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	10	0	0	0	0	0	0	0	0	
Diethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethoate	BRL	20	0	0	0	0	0	0	0	0	
Dimethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Diphenylamine	BRL	10	0	0	0	0	0	0	0	0	
Disulfoton	BRL	10	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Famphur	BRL	20	0	0	0	0	0	0	0	0	
Fenvalerate	BRL	10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Fluorene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorophene	BRL	80	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isodrin	BRL	10	0	0	0	0	0	0	0	0	
Isophorone	BRL	10	0	0	0	0	0	0	0	0	
Isosafrole	BRL	10	0	0	0	0	0	0	0	0	
Kepone	BRL	50	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	20	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	10	0	0	0	0	0	0	0	0	
MGK-264	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	40	0	0	0	0	0	0	0	0	
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	10	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	10	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	500	0	0	0	0	0	0	0	0	
Parathion	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	25	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **MB-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Perylene	BRL	10	0	0	0	0	0	0	0	0	
Phenacetin	BRL	10	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	
Phenol	BRL	10	0	0	0	0	0	0	0	0	
Phenothrin	BRL	10	0	0	0	0	0	0	0	0	
Phorate	BRL	10	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	BRL	10	0	0	0	0	0	0	0	0	
Pronamide	BRL	10	0	0	0	0	0	0	0	0	
Pyrene	BRL	10	0	0	0	0	0	0	0	0	
Pyrethrin	BRL	50	0	0	0	0	0	0	0	0	
Pyridine	BRL	10	0	0	0	0	0	0	0	0	
Resmethrin	BRL	10	0	0	0	0	0	0	0	0	
Safrole	BRL	50	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	10	0	0	0	0	0	0	0	0	
Tetramethrin	BRL	10	0	0	0	0	0	0	0	0	
Thionazin	BRL	10	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	90.02	0	100	0	90	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	40.71	0	50	0	81.4	50.7	121	0	0	0	
Surr: 2-Fluorophenol	68.38	0	100	0	68.4	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	48.71	0	50	0	97.4	44	147	0	0	0	
Surr: Nitrobenzene-d5	40.04	0	50	0	80.1	41.6	120	0	0	0	
Surr: Phenol-d5	50.47	0	100	0	50.5	13	120	0	0	0	

Sample ID: **LCS-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881610**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **LCS-169026** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881610**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	86.46	10	100	0	86.5	63.2	120	0	0	0	
1,4-Dichlorobenzene	84.16	10	100	0	84.2	57	120	0	0	0	
2,4-Dinitrotoluene	90.67	10	100	0	90.7	68.2	118	0	0	0	
2-Chlorophenol	89.73	10	100	0	89.7	67.9	120	0	0	0	
4-Chloro-3-methylphenol	90.84	10	100	0	90.8	63.1	120	0	0	0	
4-Nitrophenol	43.42	25	100	0	43.4	21	120	0	0	0	
Acenaphthene	91.40	10	100	0	91.4	68.6	120	0	0	0	
N-Nitrosodi-n-propylamine	105.2	10	100	0	105	73.6	127	0	0	0	
Pentachlorophenol	98.27	25	100	0	98.3	55.2	118	0	0	0	
Phenol	49.72	10	100	0	49.7	26.6	120	0	0	0	
Pyrene	94.12	10	100	0	94.1	66.3	131	0	0	0	
Surr: 2,4,6-Tribromophenol	107.8	0	100	0	108	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	45.72	0	50	0	91.4	50.7	121	0	0	0	
Surr: 2-Fluorophenol	69.91	0	100	0	69.9	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	54.25	0	50	0	108	44	147	0	0	0	
Surr: Nitrobenzene-d5	45.56	0	50	0	91.1	41.6	120	0	0	0	
Surr: Phenol-d5	49.40	0	100	0	49.4	13	120	0	0	0	

Sample ID: **1211973-001EMS** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881742**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	82.97	10	100	0	83	53.2	120	0	0	0	
1,4-Dichlorobenzene	81.12	10	100	0	81.1	49	120	0	0	0	
2,4-Dinitrotoluene	85.00	10	100	0	85	54.4	120	0	0	0	
2-Chlorophenol	86.84	10	100	0	86.8	56.6	120	0	0	0	
4-Chloro-3-methylphenol	88.04	10	100	0	88	49.8	120	0	0	0	
4-Nitrophenol	65.00	25	100	0	65	22	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **1211973-001EMS** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881742**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	85.70	10	100	0	85.7	57.8	120	0	0	0	
N-Nitrosodi-n-propylamine	100.1	10	100	0	100	60.7	124	0	0	0	
Pentachlorophenol	110.5	25	100	0	110	37.6	130	0	0	0	
Phenol	66.16	10	100	0	66.2	27.9	120	0	0	0	
Pyrene	88.67	10	100	0	88.7	57.9	118	0	0	0	
Surr: 2,4,6-Tribromophenol	94.98	0	100	0	95	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	41.57	0	50	0	83.1	50.7	121	0	0	0	
Surr: 2-Fluorophenol	75.34	0	100	0	75.3	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	48.51	0	50	0	97	44	147	0	0	0	
Surr: Nitrobenzene-d5	41.67	0	50	0	83.3	41.6	120	0	0	0	
Surr: Phenol-d5	65.58	0	100	0	65.6	13	120	0	0	0	

Sample ID: **1211973-001EMSD** Client ID: Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881749**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	74.15	10	100	0	74.2	53.2	120	82.97	11.2	27.1	
1,4-Dichlorobenzene	74.60	10	100	0	74.6	49	120	81.12	8.37	29.1	
2,4-Dinitrotoluene	78.74	10	100	0	78.7	54.4	120	85.00	7.65	25.5	
2-Chlorophenol	80.20	10	100	0	80.2	56.6	120	86.84	7.95	26.2	
4-Chloro-3-methylphenol	79.32	10	100	0	79.3	49.8	120	88.04	10.4	62.9	
4-Nitrophenol	56.92	25	100	0	56.9	22	120	65.00	13.3	31.4	
Acenaphthene	79.08	10	100	0	79.1	57.8	120	85.70	8.03	24.7	
N-Nitrosodi-n-propylamine	93.50	10	100	0	93.5	60.7	124	100.1	6.81	28.2	
Pentachlorophenol	96.91	25	100	0	96.9	37.6	130	110.5	13.1	26.6	
Phenol	59.48	10	100	0	59.5	27.9	120	66.16	10.6	29.5	
Pyrene	81.37	10	100	0	81.4	57.9	118	88.67	8.59	24.4	
Surr: 2,4,6-Tribromophenol	88.15	0	100	0	88.2	50.9	150	94.98	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169026

Sample ID: **1211973-001EMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **11/15/2012** Run No: **233143**
BatchID: **169026** Analysis Date: **11/16/2012** Seq No: **4881749**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	39.18	0	50	0	78.4	50.7	121	41.57	0	0	
Surr: 2-Fluorophenol	66.93	0	100	0	66.9	25.6	120	75.34	0	0	
Surr: 4-Terphenyl-d14	44.41	0	50	0	88.8	44	147	48.51	0	0	
Surr: Nitrobenzene-d5	36.96	0	50	0	73.9	41.6	120	41.67	0	0	
Surr: Phenol-d5	58.28	0	100	0	58.3	13	120	65.58	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169040

Sample ID: **MB-169040** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169040

Sample ID: **MB-169040** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Acrolein	BRL	50	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169040

Sample ID: **MB-169040** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	20	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	10	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	44.92	0	50	0	89.8	63.8	133	0	0	0	
Surr: Dibromofluoromethane	47.31	0	50	0	94.6	74.3	130	0	0	0	
Surr: Toluene-d8	45.99	0	50	0	92	72.8	122	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169040

Sample ID: **LCS-169040** Client ID: Units: **ug/Kg** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880719**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	48.20	5.0	50	0	96.4	60	140	0	0	0	
Benzene	45.81	5.0	50	0	91.6	70	130	0	0	0	
Chlorobenzene	43.44	5.0	50	0	86.9	70	130	0	0	0	
Toluene	46.01	5.0	50	0	92	70	130	0	0	0	
Trichloroethene	44.59	5.0	50	0	89.2	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	55.54	0	50	0	111	63.8	133	0	0	0	
Surr: Dibromofluoromethane	48.71	0	50	0	97.4	74.3	130	0	0	0	
Surr: Toluene-d8	48.89	0	50	0	97.8	72.8	122	0	0	0	

Sample ID: **1211A49-009AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880721**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.64	6.2	61.87	0	89.9	58.8	157	0	0	0	
Benzene	55.68	6.2	61.87	0	90	66.3	139	0	0	0	
Chlorobenzene	52.98	6.2	61.87	0	85.6	67.8	131	0	0	0	
Toluene	54.72	6.2	61.87	2.104	85	66	138	0	0	0	
Trichloroethene	54.84	6.2	61.87	0	88.6	72.5	141	0	0	0	
Surr: 4-Bromofluorobenzene	65.93	0	61.87	0	107	63.8	133	0	0	0	
Surr: Dibromofluoromethane	57.56	0	61.87	0	93	74.3	130	0	0	0	
Surr: Toluene-d8	57.03	0	61.87	0	92.2	72.8	122	0	0	0	

Sample ID: **1211A49-009AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **11/15/2012** Run No: **233097**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.16	6.2	61.87	0	89.2	58.8	157	55.64	0.871	21.9	
Benzene	55.46	6.2	61.87	0	89.6	66.3	139	55.68	0.401	22.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169040

Sample ID: **1211A49-009AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/Kg-dry** Prep Date: **11/15/2012** Run No: **233097**
BatchID: **169040** Analysis Date: **11/15/2012** Seq No: **4880722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	51.76	6.2	61.87	0	83.7	67.8	131	52.98	2.34	17.3	
Toluene	54.17	6.2	61.87	2.104	84.2	66	138	54.72	1	18.1	
Trichloroethene	50.84	6.2	61.87	0	82.2	72.5	141	54.84	7.56	18.7	
Surr: 4-Bromofluorobenzene	65.33	0	61.87	0	106	63.8	133	65.93	0	0	
Surr: Dibromofluoromethane	59.02	0	61.87	0	95.4	74.3	130	57.56	0	0	
Surr: Toluene-d8	57.95	0	61.87	0	93.7	72.8	122	57.03	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169079

Sample ID: **MB-169079** Client ID: Units: **ug/Kg** Prep Date: **11/16/2012** Run No: **233115**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169079** Analysis Date: **11/16/2012** Seq No: **4882524**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169079

Sample ID: **MB-169079** Client ID: Units: **ug/Kg** Prep Date: **11/16/2012** Run No: **233115**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169079** Analysis Date: **11/16/2012** Seq No: **4882524**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Acrolein	BRL	50	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169079

Sample ID: **MB-169079** Client ID: Units: **ug/Kg** Prep Date: **11/16/2012** Run No: **233115**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169079** Analysis Date: **11/16/2012** Seq No: **4882524**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	20	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	10	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.80	0	50	0	91.6	63.8	133	0	0	0	
Surr: Dibromofluoromethane	46.47	0	50	0	92.9	74.3	130	0	0	0	
Surr: Toluene-d8	45.00	0	50	0	90	72.8	122	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169079

Sample ID: **LCS-169079**	Client ID:		Units: **ug/Kg**	Prep Date: **11/16/2012**	Run No: **233115**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **169079**	Analysis Date: **11/16/2012**	Seq No: **4882525**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	40.60	5.0	50	0	81.2	60	140	0	0	0	
Benzene	48.69	5.0	50	0	97.4	70	130	0	0	0	
Chlorobenzene	49.28	5.0	50	0	98.6	70	130	0	0	0	
Toluene	49.53	5.0	50	0	99.1	70	130	0	0	0	
Trichloroethene	53.64	5.0	50	0	107	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.37	0	50	0	103	63.8	133	0	0	0	
Surr: Dibromofluoromethane	46.67	0	50	0	93.3	74.3	130	0	0	0	
Surr: Toluene-d8	43.56	0	50	0	87.1	72.8	122	0	0	0	

Sample ID: **1211B83-014AMS**	Client ID: **SWMU4-2C@11-12'**		Units: **ug/Kg-dry**	Prep Date: **11/16/2012**	Run No: **233115**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **169079**	Analysis Date: **11/16/2012**	Seq No: **4882527**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	61.34	6.9	68.86	0	89.1	58.8	157	0	0	0	
Benzene	66.32	6.9	68.86	0	96.3	66.3	139	0	0	0	
Chlorobenzene	63.65	6.9	68.86	0	92.4	67.8	131	0	0	0	
Toluene	68.25	6.9	68.86	0	99.1	66	138	0	0	0	
Trichloroethene	69.12	6.9	68.86	0	100	72.5	141	0	0	0	
Surr: 4-Bromofluorobenzene	73.40	0	68.86	0	107	63.8	133	0	0	0	
Surr: Dibromofluoromethane	65.40	0	68.86	0	95	74.3	130	0	0	0	
Surr: Toluene-d8	62.78	0	68.86	0	91.2	72.8	122	0	0	0	

Sample ID: **1211B83-014AMSD**	Client ID: **SWMU4-2C@11-12'**		Units: **ug/Kg-dry**	Prep Date: **11/16/2012**	Run No: **233115**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **169079**	Analysis Date: **11/16/2012**	Seq No: **4882530**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.88	6.9	68.86	0	91.3	58.8	157	61.34	2.48	21.9	
Benzene	67.08	6.9	68.86	0	97.4	66.3	139	66.32	1.14	22.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169079

Sample ID: **1211B83-014AMSD** Client ID: **SWMU4-2C@11-12'** Units: **ug/Kg-dry** Prep Date: **11/16/2012** Run No: **233115**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169079** Analysis Date: **11/16/2012** Seq No: **4882530**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	63.94	6.9	68.86	0	92.9	67.8	131	63.65	0.453	17.3	
Toluene	67.70	6.9	68.86	0	98.3	66	138	68.25	0.81	18.1	
Trichloroethene	65.86	6.9	68.86	0	95.6	72.5	141	69.12	4.84	18.7	
Surr: 4-Bromofluorobenzene	72.95	0	68.86	0	106	63.8	133	73.40	0	0	
Surr: Dibromofluoromethane	63.89	0	68.86	0	92.8	74.3	130	65.40	0	0	
Surr: Toluene-d8	62.77	0	68.86	0	91.2	72.8	122	62.78	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	0	330	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	0	330	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	0	330	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	0	1700	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	0	1700	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	0	660	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
2-Chlorophenol	0	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	0	330	0	0	0	0	0	0	0	0	
2-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
2-Nitrophenol	0	330	0	0	0	0	0	0	0	0	
2-Picoline	0	330	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	0	660	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	0	660	0	0	0	0	0	0	0	0	
3,4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	0	330	0	0	0	0	0	0	0	0	
3-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	0	1700	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	0	660	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4-Nitrophenol	0	1700	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	0	1700	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	0	330	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	0	1700	0	0	0	0	0	0	0	0	
Acenaphthene	0	330	0	0	0	0	0	0	0	0	
Acenaphthylene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

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BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
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Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetophenone	0	330	0	0	0	0	0	0	0	0	
Allethrin	0	330	0	0	0	0	0	0	0	0	
Aniline	0	330	0	0	0	0	0	0	0	0	
Anthracene	0	330	0	0	0	0	0	0	0	0	
Aramite	0	330	0	0	0	0	0	0	0	0	
Atrazine	0	330	0	0	0	0	0	0	0	0	
Baygon	0	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
Benzaldehyde	0	330	0	0	0	0	0	0	0	0	
Benzidine	0	2600	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	0	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	0	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzoic acid	0	6600	0	0	0	0	0	0	0	0	
Benzyl alcohol	0	660	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	0	330	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	0	330	0	0	0	0	0	0	0	0	
Caprolactam	0	330	0	0	0	0	0	0	0	0	
Carbazole	0	330	0	0	0	0	0	0	0	0	
Chlorfenvinphos	0	0	0	0	0	0	0	0	0	0	
Chlorobenzilate	0	330	0	0	0	0	0	0	0	0	
Chloropyrifos	0	330	0	0	0	0	0	0	0	0	
Chrysene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Di-n-butyl phthalate	0	330	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	0	330	0	0	0	0	0	0	0	0	
Diallate	0	330	0	0	0	0	0	0	0	0	
Diazinon	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	0	330	0	0	0	0	0	0	0	0	
Dibenzofuran	0	330	0	0	0	0	0	0	0	0	
Diethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethoate	0	660	0	0	0	0	0	0	0	0	
Dimethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
Diphenylamine	0	330	0	0	0	0	0	0	0	0	
Disulfoton	0	1900	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	0	660	0	0	0	0	0	0	0	0	
Famphur	0	660	0	0	0	0	0	0	0	0	
Fenvalerate	0	330	0	0	0	0	0	0	0	0	
Fluoranthene	0	330	0	0	0	0	0	0	0	0	
Fluorene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	330	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	0	660	0	0	0	0	0	0	0	0	
Hexachloroethane	0	2600	0	0	0	0	0	0	0	0	
Hexachlorophene	0	17000	0	0	0	0	0	0	0	0	
Hexachloropropene	0	1700	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	0	330	0	0	0	0	0	0	0	0	
Isodrin	0	660	0	0	0	0	0	0	0	0	
Isophorone	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isosafrole	0	330	0	0	0	0	0	0	0	0	
Kepone	0	1700	0	0	0	0	0	0	0	0	
Methapyrilene	0	660	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	0	1700	0	0	0	0	0	0	0	0	
Methyl parathion	0	330	0	0	0	0	0	0	0	0	
MGK-264	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	0	1700	0	0	0	0	0	0	0	0	
Naphthalene	0	330	0	0	0	0	0	0	0	0	
Nitrobenzene	0	330	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	0	330	0	0	0	0	0	0	0	0	
o-Toluidine	0	1300	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
p-Phenylenediamine	0	17000	0	0	0	0	0	0	0	0	
Parathion	0	330	0	0	0	0	0	0	0	0	
Pentachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	0	660	0	0	0	0	0	0	0	0	
Pentachlorophenol	0	1700	0	0	0	0	0	0	0	0	
Perylene	0	330	0	0	0	0	0	0	0	0	
Phenacetin	0	660	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **MB-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenanthrene	0	330	0	0	0	0	0	0	0	0	
Phenol	0	330	0	0	0	0	0	0	0	0	
Phenothrin	0	330	0	0	0	0	0	0	0	0	
Phorate	0	330	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	0	330	0	0	0	0	0	0	0	0	
Pronamide	0	330	0	0	0	0	0	0	0	0	
Pyrene	0	330	0	0	0	0	0	0	0	0	
Pyrethrin	0	1700	0	0	0	0	0	0	0	0	
Pyridine	0	330	0	0	0	0	0	0	0	0	
Resmethrin	0	330	0	0	0	0	0	0	0	0	
Safrole	0	330	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	0	330	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	0	660	0	0	0	0	0	0	0	0	
Tetramethrin	0	330	0	0	0	0	0	0	0	0	
Thionazin	0	660	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	2841	0	3333	0	85.2	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1250	0	1667	0	75	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2154	0	3333	0	64.6	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1450	0	1667	0	87	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1111	0	1667	0	66.7	38	120	0	0	0	
Surr: Phenol-d5	2317	0	3333	0	69.5	40	120	0	0	0	

Sample ID: **LCS-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885838**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2543	330	3333	0	76.3	55.6	110	0	0	0	
1,4-Dichlorobenzene	2157	330	3333	0	64.7	53.8	97.4	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **LCS-169083** Client ID: Units: **ug/Kg** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885838**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2884	330	3333	0	86.5	54.7	118	0	0	0	
2-Chlorophenol	2232	330	3333	0	67	54.5	109	0	0	0	
4-Chloro-3-methylphenol	2691	330	3333	0	80.7	56.6	115	0	0	0	
4-Nitrophenol	2062	1700	3333	0	61.9	40.4	107	0	0	0	
Acenaphthene	2788	330	3333	0	83.7	59.9	108	0	0	0	
N-Nitrosodi-n-propylamine	2442	330	3333	0	73.3	53.2	116	0	0	0	
Pentachlorophenol	2696	1700	3333	0	80.9	41	120	0	0	0	
Phenol	2204	330	3333	0	66.1	50.5	101	0	0	0	
Pyrene	2924	330	3333	0	87.7	60.2	121	0	0	0	
Surr: 2,4,6-Tribromophenol	3383	0	3333	0	102	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1374	0	1667	0	82.4	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2099	0	3333	0	63	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1701	0	1667	0	102	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1171	0	1667	0	70.2	38	120	0	0	0	
Surr: Phenol-d5	2474	0	3333	0	74.2	40	120	0	0	0	

Sample ID: **1211B83-026CMS** Client ID: **SWMU1-3C@11-12** Units: **ug/Kg-dry** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885840**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2430	400	4042	0	60.1	53.1	120	0	0	0	
1,4-Dichlorobenzene	2309	400	4042	0	57.1	47.8	120	0	0	0	
2,4-Dinitrotoluene	2150	400	4042	0	53.2	41.6	120	0	0	0	
2-Chlorophenol	2324	400	4042	0	57.5	45.5	120	0	0	0	
4-Chloro-3-methylphenol	2355	400	4042	0	58.3	39.1	118	0	0	0	
4-Nitrophenol	1602	2100	4042	0	39.6	31.4	120	0	0	0	
Acenaphthene	2368	400	4042	0	58.6	50	120	0	0	0	
N-Nitrosodi-n-propylamine	2275	400	4042	0	56.3	50.5	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **1211B83-026CMS** Client ID: **SWMU1-3C@11-12** Units: **ug/Kg-dry** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885840**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	1982	2100	4042	0	49	30.1	120	0	0	0	
Phenol	2154	400	4042	0	53.3	42.2	120	0	0	0	
Pyrene	2296	400	4042	0	56.8	46.7	115	0	0	0	
Surr: 2,4,6-Tribromophenol	2807	0	4042	0	69.5	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1196	0	2021	0	59.2	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2288	0	4042	0	56.6	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1345	0	2021	0	66.6	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1115	0	2021	0	55.2	38	120	0	0	0	
Surr: Phenol-d5	2524	0	4042	0	62.5	40	120	0	0	0	

Sample ID: **1211B83-026CMSD** Client ID: **SWMU1-3C@11-12** Units: **ug/Kg-dry** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885841**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1724	400	4047	0	42.6	53.1	120	2430	34	27.7	SR
1,4-Dichlorobenzene	1573	400	4047	0	38.9	47.8	120	2309	37.9	29.4	SR
2,4-Dinitrotoluene	1638	400	4047	0	40.5	41.6	120	2150	27	28.2	S
2-Chlorophenol	1526	400	4047	0	37.7	45.5	120	2324	41.5	28.7	SR
4-Chloro-3-methylphenol	1487	400	4047	0	36.7	39.1	118	2355	45.2	31.3	SR
4-Nitrophenol	1086	2100	4047	0	26.8	31.4	120	1602	0	29.3	S
Acenaphthene	1758	400	4047	0	43.5	50	120	2368	29.5	26.5	SR
N-Nitrosodi-n-propylamine	1627	400	4047	0	40.2	50.5	120	2275	33.2	24.2	SR
Pentachlorophenol	1310	2100	4047	0	32.4	30.1	120	1982	0	34.9	
Phenol	1427	400	4047	0	35.3	42.2	120	2154	40.6	27.1	SR
Pyrene	1809	400	4047	0	44.7	46.7	115	2296	23.8	30.2	S
Surr: 2,4,6-Tribromophenol	1821	0	4047	0	45	40.4	136	2807	0	0	
Surr: 2-Fluorobiphenyl	885.5	0	2024	0	43.8	46.1	120	1196	0	0	S
Surr: 2-Fluorophenol	1406	0	4047	0	34.7	35.8	120	2288	0	0	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169083

Sample ID: **1211B83-026CMSD** Client ID: **SWMU1-3C@11-12** Units: **ug/Kg-dry** Prep Date: **11/19/2012** Run No: **233228**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169083** Analysis Date: **11/19/2012** Seq No: **4885841**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Terphenyl-d14	1049	0	2024	0	51.9	50.2	134	1345	0	0	
Surr: Nitrobenzene-d5	778.3	0	2024	0	38.5	38	120	1115	0	0	
Surr: Phenol-d5	1637	0	4047	0	40.5	40	120	2524	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	BRL	10	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	BRL	20	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	BRL	10	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	
1-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2,2´-oxybis(1-Chloropropane)	BRL	10	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	10	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	25	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	BRL	10	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	BRL	20	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	BRL	10	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
2-Naphthylamine	BRL	10	0	0	0	0	0	0	0	0	
2-Nitroaniline	BRL	50	0	0	0	0	0	0	0	0	
2-Nitrophenol	BRL	10	0	0	0	0	0	0	0	0	
2-Picoline	BRL	10	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,3´-Dimethoxybenzidine	BRL	10	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	BRL	20	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	BRL	10	0	0	0	0	0	0	0	0	
3-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
3-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	BRL	25	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	BRL	10	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Chloroaniline	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	BRL	10	0	0	0	0	0	0	0	0	
4-Methylphenol	BRL	10	0	0	0	0	0	0	0	0	
4-Nitroaniline	BRL	25	0	0	0	0	0	0	0	0	
4-Nitrophenol	BRL	25	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	BRL	50	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	BRL	10	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	BRL	50	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	
Acetophenone	BRL	10	0	0	0	0	0	0	0	0	
Allethrin	BRL	10	0	0	0	0	0	0	0	0	
alpha-Terpineol	BRL	10	0	0	0	0	0	0	0	0	
Aniline	BRL	10	0	0	0	0	0	0	0	0	
Anthracene	BRL	10	0	0	0	0	0	0	0	0	
Aramite	BRL	10	0	0	0	0	0	0	0	0	
Atrazine	BRL	10	0	0	0	0	0	0	0	0	
Baygon	BRL	10	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Benzaldehyde	BRL	10	0	0	0	0	0	0	0	0	
Benzidine	BRL	80	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Benzoic acid	BRL	100	0	0	0	0	0	0	0	0	
Benzyl alcohol	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	BRL	10	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	BRL	10	0	0	0	0	0	0	0	0	
Bis(chloromethyl) ether	BRL	100	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Caprolactam	BRL	10	0	0	0	0	0	0	0	0	
Carbazole	BRL	10	0	0	0	0	0	0	0	0	
Chlorobenzilate	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloropyrifos	BRL	10	0	0	0	0	0	0	0	0	
Chrysene	BRL	10	0	0	0	0	0	0	0	0	
Di-n-butyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Diallate	BRL	10	0	0	0	0	0	0	0	0	
Diazinon	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	BRL	10	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	10	0	0	0	0	0	0	0	0	
Diethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethoate	BRL	20	0	0	0	0	0	0	0	0	
Dimethyl phthalate	BRL	10	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
Diphenylamine	BRL	10	0	0	0	0	0	0	0	0	
Disulfoton	BRL	10	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Famphur	BRL	20	0	0	0	0	0	0	0	0	
Fenvalerate	BRL	10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	
Fluorene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	BRL	10	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorophene	BRL	80	0	0	0	0	0	0	0	0	
Hexachloropropene	BRL	10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isodrin	BRL	10	0	0	0	0	0	0	0	0	
Isophorone	BRL	10	0	0	0	0	0	0	0	0	
Isosafrole	BRL	10	0	0	0	0	0	0	0	0	
Kepone	BRL	50	0	0	0	0	0	0	0	0	
Methapyrilene	BRL	20	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	BRL	10	0	0	0	0	0	0	0	0	
Methyl parathion	BRL	10	0	0	0	0	0	0	0	0	
MGK-264	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	BRL	10	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	BRL	40	0	0	0	0	0	0	0	0	
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	BRL	10	0	0	0	0	0	0	0	0	
o-Toluidine	BRL	10	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	BRL	10	0	0	0	0	0	0	0	0	
p-Phenylenediamine	BRL	500	0	0	0	0	0	0	0	0	
Parathion	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	25	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **MB-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885381**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Perylene	BRL	10	0	0	0	0	0	0	0	0	
Phenacetin	BRL	10	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	
Phenol	BRL	10	0	0	0	0	0	0	0	0	
Phenothrin	BRL	10	0	0	0	0	0	0	0	0	
Phorate	BRL	10	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	BRL	10	0	0	0	0	0	0	0	0	
Pronamide	BRL	10	0	0	0	0	0	0	0	0	
Pyrene	BRL	10	0	0	0	0	0	0	0	0	
Pyrethrin	BRL	50	0	0	0	0	0	0	0	0	
Pyridine	BRL	10	0	0	0	0	0	0	0	0	
Resmethrin	BRL	10	0	0	0	0	0	0	0	0	
Safrole	BRL	50	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	BRL	10	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	BRL	10	0	0	0	0	0	0	0	0	
Tetramethrin	BRL	10	0	0	0	0	0	0	0	0	
Thionazin	BRL	10	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	93.03	0	100	0	93	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	40.61	0	50	0	81.2	50.7	121	0	0	0	
Surr: 2-Fluorophenol	67.86	0	100	0	67.9	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	47.89	0	50	0	95.8	44	147	0	0	0	
Surr: Nitrobenzene-d5	40.86	0	50	0	81.7	41.6	120	0	0	0	
Surr: Phenol-d5	50.64	0	100	0	50.6	13	120	0	0	0	

Sample ID: **LCS-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885384**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **LCS-169116** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885384**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	86.95	10	100	0	87	63.2	120	0	0	0	
1,4-Dichlorobenzene	82.90	10	100	0	82.9	57	120	0	0	0	
2,4-Dinitrotoluene	92.28	10	100	0	92.3	68.2	118	0	0	0	
2-Chlorophenol	88.19	10	100	0	88.2	67.9	120	0	0	0	
4-Chloro-3-methylphenol	90.62	10	100	0	90.6	63.1	120	0	0	0	
4-Nitrophenol	43.63	25	100	0	43.6	21	120	0	0	0	
Acenaphthene	92.96	10	100	0	93	68.6	120	0	0	0	
N-Nitrosodi-n-propylamine	103.6	10	100	0	104	73.6	127	0	0	0	
Pentachlorophenol	94.96	25	100	0	95	55.2	118	0	0	0	
Phenol	49.30	10	100	0	49.3	26.6	120	0	0	0	
Pyrene	96.43	10	100	0	96.4	66.3	131	0	0	0	
Surr: 2,4,6-Tribromophenol	109.0	0	100	0	109	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	47.27	0	50	0	94.5	50.7	121	0	0	0	
Surr: 2-Fluorophenol	70.34	0	100	0	70.3	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	55.59	0	50	0	111	44	147	0	0	0	
Surr: Nitrobenzene-d5	45.90	0	50	0	91.8	41.6	120	0	0	0	
Surr: Phenol-d5	48.87	0	100	0	48.9	13	120	0	0	0	

Sample ID: **1211B90-001BMS** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885386**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	77.98	10	100	0	78	53.2	120	0	0	0	
1,4-Dichlorobenzene	75.20	10	100	0	75.2	49	120	0	0	0	
2,4-Dinitrotoluene	81.39	10	100	0	81.4	54.4	120	0	0	0	
2-Chlorophenol	82.06	10	100	0	82.1	56.6	120	0	0	0	
4-Chloro-3-methylphenol	82.56	10	100	0	82.6	49.8	120	0	0	0	
4-Nitrophenol	61.47	25	100	0	61.5	22	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **1211B90-001BMS** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885386**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	84.02	10	100	3.880	80.1	57.8	120	0	0	0	
N-Nitrosodi-n-propylamine	94.20	10	100	0	94.2	60.7	124	0	0	0	
Pentachlorophenol	174.2	25	100	70.68	104	37.6	130	0	0	0	E
Phenol	64.64	10	100	0	64.6	27.9	120	0	0	0	
Pyrene	81.70	10	100	2.340	79.4	57.9	118	0	0	0	
Surr: 2,4,6-Tribromophenol	94.72	0	100	0	94.7	50.9	150	0	0	0	
Surr: 2-Fluorobiphenyl	39.95	0	50	0	79.9	50.7	121	0	0	0	
Surr: 2-Fluorophenol	73.12	0	100	0	73.1	25.6	120	0	0	0	
Surr: 4-Terphenyl-d14	45.33	0	50	0	90.7	44	147	0	0	0	
Surr: Nitrobenzene-d5	40.06	0	50	0	80.1	41.6	120	0	0	0	
Surr: Phenol-d5	63.45	0	100	0	63.4	13	120	0	0	0	

Sample ID: **1211B90-001BMSD** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885389**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	76.39	10	100	0	76.4	53.2	120	77.98	2.06	27.1	
1,4-Dichlorobenzene	77.32	10	100	0	77.3	49	120	75.20	2.78	29.1	
2,4-Dinitrotoluene	78.98	10	100	0	79	54.4	120	81.39	3.01	25.5	
2-Chlorophenol	82.78	10	100	0	82.8	56.6	120	82.06	0.874	26.2	
4-Chloro-3-methylphenol	78.96	10	100	0	79	49.8	120	82.56	4.46	62.9	
4-Nitrophenol	52.25	25	100	0	52.2	22	120	61.47	16.2	31.4	
Acenaphthene	80.91	10	100	3.880	77	57.8	120	84.02	3.77	24.7	
N-Nitrosodi-n-propylamine	94.23	10	100	0	94.2	60.7	124	94.20	0.032	28.2	
Pentachlorophenol	182.6	25	100	70.68	112	37.6	130	174.2	4.71	26.6	E
Phenol	59.20	10	100	0	59.2	27.9	120	64.64	8.79	29.5	
Pyrene	78.64	10	100	2.340	76.3	57.9	118	81.70	3.82	24.4	
Surr: 2,4,6-Tribromophenol	88.99	0	100	0	89	50.9	150	94.72	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169116

Sample ID: **1211B90-001BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **11/19/2012** Run No: **233311**
BatchID: **169116** Analysis Date: **11/19/2012** Seq No: **4885389**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	38.62	0	50	0	77.2	50.7	121	39.95	0	0	
Surr: 2-Fluorophenol	70.94	0	100	0	70.9	25.6	120	73.12	0	0	
Surr: 4-Terphenyl-d14	40.97	0	50	0	81.9	44	147	45.33	0	0	
Surr: Nitrobenzene-d5	38.86	0	50	0	77.7	41.6	120	40.06	0	0	
Surr: Phenol-d5	57.27	0	100	0	57.3	13	120	63.45	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169168

Sample ID: **MB-169168** Client ID: Units: **ug/Kg** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4883991**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	7500	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	250	0	0	0	0	0	0	0	0	
2-Butanone	BRL	2500	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	500	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	250	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	500	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169168

Sample ID: **MB-169168** Client ID: Units: **ug/Kg** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4883991**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	BRL	250	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	250	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	500	0	0	0	0	0	0	0	0	
Acetone	BRL	5000	0	0	0	0	0	0	0	0	
Acrolein	BRL	2500	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	2500	0	0	0	0	0	0	0	0	
Benzene	BRL	250	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	250	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	250	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	250	0	0	0	0	0	0	0	0	
Bromoform	BRL	250	0	0	0	0	0	0	0	0	
Bromomethane	BRL	250	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	500	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	250	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
Chloroethane	BRL	500	0	0	0	0	0	0	0	0	
Chloroform	BRL	250	0	0	0	0	0	0	0	0	
Chloromethane	BRL	500	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	250	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	250	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	250	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	500	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
Freon-113	BRL	500	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	250	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169168

Sample ID: **MB-169168** Client ID: Units: **ug/Kg** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4883991**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	BRL	500	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	250	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	250	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	250	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	250	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	250	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	1000	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	250	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	250	0	0	0	0	0	0	0	0	
Naphthalene	BRL	250	0	0	0	0	0	0	0	0	
o-Xylene	BRL	250	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	250	0	0	0	0	0	0	0	0	
Styrene	BRL	250	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	250	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	250	0	0	0	0	0	0	0	0	
Toluene	BRL	250	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	500	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	250	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	250	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	500	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	500	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	250	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	2287	0	2500	0	91.5	63.8	133	0	0	0	
Surr: Dibromofluoromethane	2324	0	2500	0	92.9	74.3	130	0	0	0	
Surr: Toluene-d8	2333	0	2500	0	93.3	72.8	122	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169168

Sample ID: **LCS-169168** Client ID: Units: **ug/Kg** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4884003**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2414	250	2500	0	96.5	60	140	0	0	0	
Benzene	2627	250	2500	0	105	70	130	0	0	0	
Chlorobenzene	2388	250	2500	0	95.5	70	130	0	0	0	
Toluene	2620	250	2500	0	105	70	130	0	0	0	
Trichloroethene	2645	250	2500	0	106	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	2428	0	2500	0	97.1	63.8	133	0	0	0	
Surr: Dibromofluoromethane	2514	0	2500	0	101	74.3	130	0	0	0	
Surr: Toluene-d8	2424	0	2500	0	97	72.8	122	0	0	0	

Sample ID: **1211B83-004AMS** Client ID: **SB/TW-25@28-29'** Units: **ug/Kg-dry** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4884004**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	16140	2000	19800	0	81.5	58.8	157	0	0	0	
Benzene	18580	2000	19800	0	93.8	66.3	139	0	0	0	
Chlorobenzene	17190	2000	19800	0	86.8	67.8	131	0	0	0	
Toluene	19130	2000	19800	570.2	93.7	66	138	0	0	0	
Trichloroethene	18800	2000	19800	0	95	72.5	141	0	0	0	
Surr: 4-Bromofluorobenzene	20020	0	19800	0	101	63.8	133	0	0	0	
Surr: Dibromofluoromethane	19800	0	19800	0	100	74.3	130	0	0	0	
Surr: Toluene-d8	19020	0	19800	0	96.1	72.8	122	0	0	0	

Sample ID: **1211B83-004AMSD** Client ID: **SB/TW-25@28-29'** Units: **ug/Kg-dry** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4884006**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	15670	2000	19800	0	79.1	58.8	157	16140	2.96	21.9	
Benzene	18040	2000	19800	0	91.1	66.3	139	18580	2.92	22.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169168

Sample ID: **1211B83-004AMSD** Client ID: **SB/TW-25@28-29'** Units: **ug/Kg-dry** Prep Date: **11/17/2012** Run No: **233248**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169168** Analysis Date: **11/17/2012** Seq No: **4884006**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	16960	2000	19800	0	85.7	67.8	131	17190	1.32	17.3	
Toluene	18200	2000	19800	570.2	89	66	138	19130	4.99	18.1	
Trichloroethene	17740	2000	19800	0	89.6	72.5	141	18800	5.81	18.7	
Surr: 4-Bromofluorobenzene	19430	0	19800	0	98.1	63.8	133	20020	0	0	
Surr: Dibromofluoromethane	19370	0	19800	0	97.8	74.3	130	19800	0	0	
Surr: Toluene-d8	18710	0	19800	0	94.5	72.8	122	19020	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169193

Sample ID: **MB-169193** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169193

Sample ID: **MB-169193** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Acrolein	BRL	20	0	0	0	0	0	0	0	0	
Acrylonitrile	BRL	5.0	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169193

Sample ID: **MB-169193** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	BRL	10	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Xylenes, Total	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	41.71	0	50	0	83.4	64.6	123	0	0	0	
Surr: Dibromofluoromethane	48.11	0	50	0	96.2	76.6	133	0	0	0	
Surr: Toluene-d8	42.23	0	50	0	84.5	77.8	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169193

Sample ID: **MB-169193** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233633**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/26/2012** Seq No: **4892726**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Tetrahydrofuran	0	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.10	0	50	0	94.2	70	130	0	0	0	
Surr: Dibromofluoromethane	44.22	0	50	0	88.4	70	130	0	0	0	
Surr: Toluene-d8	43.89	0	50	0	87.8	70	130	0	0	0	

Sample ID: **LCS-169193** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884847**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	43.47	5.0	50	0	86.9	60	140	0	0	0	
Benzene	48.12	5.0	50	0	96.2	70	130	0	0	0	
Chlorobenzene	46.93	5.0	50	0	93.9	70	130	0	0	0	
Toluene	47.99	5.0	50	0	96	70	130	0	0	0	
Trichloroethene	47.23	5.0	50	0	94.5	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.26	0	50	0	103	64.6	123	0	0	0	
Surr: Dibromofluoromethane	46.54	0	50	0	93.1	76.6	133	0	0	0	
Surr: Toluene-d8	43.72	0	50	0	87.4	77.8	120	0	0	0	

Sample ID: **1211D62-001AMS** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884861**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	5594	500	5000	0	112	50.1	179	0	0	0	
Benzene	4597	500	5000	0	91.9	61.2	150	0	0	0	
Chlorobenzene	4439	500	5000	0	88.8	72.1	140	0	0	0	
Toluene	4541	500	5000	0	90.8	58.7	154	0	0	0	
Trichloroethene	4590	500	5000	0	91.8	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	5345	0	5000	0	107	64.6	123	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169193

Sample ID: **1211D62-001AMS** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884861**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	4477	0	5000	0	89.5	76.6	133	0	0	0	
Surr: Toluene-d8	4457	0	5000	0	89.1	77.8	120	0	0	0	

Sample ID: **1211D62-001AMSD** Client ID: Units: **ug/L** Prep Date: **11/19/2012** Run No: **233220**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169193** Analysis Date: **11/19/2012** Seq No: **4884863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	6079	500	5000	0	122	50.1	179	5594	8.31	23.3	
Benzene	4492	500	5000	0	89.8	61.2	150	4597	2.31	19	
Chlorobenzene	4220	500	5000	0	84.4	72.1	140	4439	5.06	21.5	
Toluene	4361	500	5000	0	87.2	58.7	154	4541	4.04	20	
Trichloroethene	4431	500	5000	0	88.6	68.3	149	4590	3.53	17.7	
Surr: 4-Bromofluorobenzene	5184	0	5000	0	104	64.6	123	5345	0	0	
Surr: Dibromofluoromethane	4558	0	5000	0	91.2	76.6	133	4477	0	0	
Surr: Toluene-d8	4503	0	5000	0	90.1	77.8	120	4457	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169213

Sample ID: **MB-169213** Client ID: Units: **ug/Kg** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4886073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	0	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
2-Butanone	0	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	0	10	0	0	0	0	0	0	0	0	
2-Chlorotoluene	0	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	0	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169213

Sample ID: **MB-169213** Client ID: Units: **ug/Kg** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4886073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	0	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	0	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	0	10	0	0	0	0	0	0	0	0	
Acetone	0	100	0	0	0	0	0	0	0	0	
Acrolein	0	50	0	0	0	0	0	0	0	0	
Acrylonitrile	0	50	0	0	0	0	0	0	0	0	
Benzene	0	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	0	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	0	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	0	5.0	0	0	0	0	0	0	0	0	
Bromoform	0	5.0	0	0	0	0	0	0	0	0	
Bromomethane	0	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	0	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	0	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
Chloroethane	0	10	0	0	0	0	0	0	0	0	
Chloroform	0	5.0	0	0	0	0	0	0	0	0	
Chloromethane	0	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	0	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	0	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	0	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	0	10	0	0	0	0	0	0	0	0	
Ethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Freon-113	0	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169213

Sample ID: **MB-169213** Client ID: Units: **ug/Kg** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4886073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	0	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	0	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	0	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	0	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	0	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	0	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	0	20	0	0	0	0	0	0	0	0	
n-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Naphthalene	0	5.0	0	0	0	0	0	0	0	0	
o-Xylene	0	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Styrene	0	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	0	5.0	0	0	0	0	0	0	0	0	
Toluene	0	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	0	10	0	0	0	0	0	0	0	0	
Trichloroethene	0	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	0	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	0	10	0	0	0	0	0	0	0	0	
Vinyl chloride	0	10	0	0	0	0	0	0	0	0	
Xylenes, Total	0	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.90	0	50	0	91.8	63.8	133	0	0	0	
Surr: Dibromofluoromethane	48.94	0	50	0	97.9	74.3	130	0	0	0	
Surr: Toluene-d8	45.72	0	50	0	91.4	72.8	122	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169213

Sample ID: **LCS-169213** Client ID: Units: **ug/Kg** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4885890**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.35	5.0	50	0	111	60	140	0	0	0	
Benzene	51.80	5.0	50	0	104	70	130	0	0	0	
Chlorobenzene	49.66	5.0	50	0	99.3	70	130	0	0	0	
Toluene	53.54	5.0	50	0	107	70	130	0	0	0	
Trichloroethene	49.31	5.0	50	0	98.6	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	56.86	0	50	0	114	63.8	133	0	0	0	
Surr: Dibromofluoromethane	49.50	0	50	0	99	74.3	130	0	0	0	
Surr: Toluene-d8	48.14	0	50	0	96.3	72.8	122	0	0	0	

Sample ID: **1211C09-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4885898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.62	5.9	59.1	0	94.1	58.8	157	0	0	0	
Benzene	53.21	5.9	59.1	0	90	66.3	139	0	0	0	
Chlorobenzene	53.70	5.9	59.1	0	90.9	67.8	131	0	0	0	
Toluene	54.31	5.9	59.1	0	91.9	66	138	0	0	0	
Trichloroethene	52.16	5.9	59.1	0	88.3	72.5	141	0	0	0	
Surr: 4-Bromofluorobenzene	66.61	0	59.1	0	113	63.8	133	0	0	0	
Surr: Dibromofluoromethane	56.70	0	59.1	0	95.9	74.3	130	0	0	0	
Surr: Toluene-d8	55.72	0	59.1	0	94.3	72.8	122	0	0	0	

Sample ID: **1211C09-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **11/20/2012** Run No: **233315**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4885904**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.37	5.9	59.1	0	95.4	58.8	157	55.62	1.33	21.9	
Benzene	56.11	5.9	59.1	0	94.9	66.3	139	53.21	5.3	22.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169213

Sample ID: **1211C09-001AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/Kg-dry** Prep Date: **11/20/2012** Run No: **233315**
BatchID: **169213** Analysis Date: **11/20/2012** Seq No: **4885904**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	54.37	5.9	59.1	0	92	67.8	131	53.70	1.25	17.3	
Toluene	57.23	5.9	59.1	0	96.8	66	138	54.31	5.23	18.1	
Trichloroethene	55.33	5.9	59.1	0	93.6	72.5	141	52.16	5.89	18.7	
Surr: 4-Bromofluorobenzene	66.08	0	59.1	0	112	63.8	133	66.61	0	0	
Surr: Dibromofluoromethane	55.76	0	59.1	0	94.4	74.3	130	56.70	0	0	
Surr: Toluene-d8	55.66	0	59.1	0	94.2	72.8	122	55.72	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	0	330	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	0	330	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	0	330	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	0	1700	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	0	1700	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	0	660	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
2-Chlorophenol	0	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	0	330	0	0	0	0	0	0	0	0	
2-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
2-Nitrophenol	0	330	0	0	0	0	0	0	0	0	
2-Picoline	0	330	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	0	660	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	0	660	0	0	0	0	0	0	0	0	
3,4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	0	330	0	0	0	0	0	0	0	0	
3-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	0	1700	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	0	660	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4-Nitrophenol	0	1700	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	0	1700	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	0	330	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	0	1700	0	0	0	0	0	0	0	0	
Acenaphthene	0	330	0	0	0	0	0	0	0	0	
Acenaphthylene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetophenone	0	330	0	0	0	0	0	0	0	0	
Allethrin	0	330	0	0	0	0	0	0	0	0	
Aniline	0	330	0	0	0	0	0	0	0	0	
Anthracene	0	330	0	0	0	0	0	0	0	0	
Aramite	0	330	0	0	0	0	0	0	0	0	
Atrazine	0	330	0	0	0	0	0	0	0	0	
Baygon	0	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
Benzaldehyde	0	330	0	0	0	0	0	0	0	0	
Benzidine	0	2600	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	0	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	0	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzoic acid	0	6600	0	0	0	0	0	0	0	0	
Benzyl alcohol	0	660	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	0	330	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	0	330	0	0	0	0	0	0	0	0	
Caprolactam	0	330	0	0	0	0	0	0	0	0	
Carbazole	0	330	0	0	0	0	0	0	0	0	
Chlorfenvinphos	0	0	0	0	0	0	0	0	0	0	
Chlorobenzilate	0	330	0	0	0	0	0	0	0	0	
Chloropyrifos	0	330	0	0	0	0	0	0	0	0	
Chrysene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Di-n-butyl phthalate	0	330	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	0	330	0	0	0	0	0	0	0	0	
Diallate	0	330	0	0	0	0	0	0	0	0	
Diazinon	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	0	330	0	0	0	0	0	0	0	0	
Dibenzofuran	0	330	0	0	0	0	0	0	0	0	
Diethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethoate	0	660	0	0	0	0	0	0	0	0	
Dimethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
Diphenylamine	0	330	0	0	0	0	0	0	0	0	
Disulfoton	0	1900	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	0	660	0	0	0	0	0	0	0	0	
Famphur	0	660	0	0	0	0	0	0	0	0	
Fenvalerate	0	330	0	0	0	0	0	0	0	0	
Fluoranthene	0	330	0	0	0	0	0	0	0	0	
Fluorene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	330	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	0	660	0	0	0	0	0	0	0	0	
Hexachloroethane	0	2600	0	0	0	0	0	0	0	0	
Hexachlorophene	0	17000	0	0	0	0	0	0	0	0	
Hexachloropropene	0	1700	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	0	330	0	0	0	0	0	0	0	0	
Isodrin	0	660	0	0	0	0	0	0	0	0	
Isophorone	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isosafrole	0	330	0	0	0	0	0	0	0	0	
Kepone	0	1700	0	0	0	0	0	0	0	0	
Methapyrilene	0	660	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	0	1700	0	0	0	0	0	0	0	0	
Methyl parathion	0	330	0	0	0	0	0	0	0	0	
MGK-264	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	0	1700	0	0	0	0	0	0	0	0	
Naphthalene	0	330	0	0	0	0	0	0	0	0	
Nitrobenzene	0	330	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	0	330	0	0	0	0	0	0	0	0	
o-Toluidine	0	1300	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
p-Phenylenediamine	0	17000	0	0	0	0	0	0	0	0	
Parathion	0	330	0	0	0	0	0	0	0	0	
Pentachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	0	660	0	0	0	0	0	0	0	0	
Pentachlorophenol	0	1700	0	0	0	0	0	0	0	0	
Perylene	0	330	0	0	0	0	0	0	0	0	
Phenacetin	0	660	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **MB-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenanthrene	0	330	0	0	0	0	0	0	0	0	
Phenol	0	330	0	0	0	0	0	0	0	0	
Phenothrin	0	330	0	0	0	0	0	0	0	0	
Phorate	0	330	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	0	330	0	0	0	0	0	0	0	0	
Pronamide	0	330	0	0	0	0	0	0	0	0	
Pyrene	0	330	0	0	0	0	0	0	0	0	
Pyrethrin	0	1700	0	0	0	0	0	0	0	0	
Pyridine	0	330	0	0	0	0	0	0	0	0	
Resmethrin	0	330	0	0	0	0	0	0	0	0	
Safrole	0	330	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	0	330	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	0	660	0	0	0	0	0	0	0	0	
Tetramethrin	0	330	0	0	0	0	0	0	0	0	
Thionazin	0	660	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	2651	0	3333	0	79.5	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1159	0	1667	0	69.6	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2072	0	3333	0	62.2	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1349	0	1667	0	80.9	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1076	0	1667	0	64.6	38	120	0	0	0	
Surr: Phenol-d5	2180	0	3333	0	65.4	40	120	0	0	0	

Sample ID: **LCS-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892062**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2064	330	3333	0	61.9	55.6	110	0	0	0	
1,4-Dichlorobenzene	1841	330	3333	0	55.2	53.8	97.4	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **LCS-169282** Client ID: Units: **ug/Kg** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892062**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2294	330	3333	0	68.8	54.7	118	0	0	0	
2-Chlorophenol	1858	330	3333	0	55.8	54.5	109	0	0	0	
4-Chloro-3-methylphenol	2233	330	3333	0	67	56.6	115	0	0	0	
4-Nitrophenol	1635	1700	3333	0	49	40.4	107	0	0	0	
Acenaphthene	2247	330	3333	0	67.4	59.9	108	0	0	0	
N-Nitrosodi-n-propylamine	1985	330	3333	0	59.6	53.2	116	0	0	0	
Pentachlorophenol	2113	1700	3333	0	63.4	41	120	0	0	0	
Phenol	1749	330	3333	0	52.5	50.5	101	0	0	0	
Pyrene	2347	330	3333	0	70.4	60.2	121	0	0	0	
Surr: 2,4,6-Tribromophenol	2779	0	3333	0	83.4	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1119	0	1667	0	67.2	46.1	120	0	0	0	
Surr: 2-Fluorophenol	1831	0	3333	0	54.9	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1371	0	1667	0	82.3	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	985.3	0	1667	0	59.1	38	120	0	0	0	
Surr: Phenol-d5	2061	0	3333	0	61.8	40	120	0	0	0	

Sample ID: **1211E65-004CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892083**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2417	370	3751	0	64.4	53.1	120	0	0	0	
1,4-Dichlorobenzene	2164	370	3751	0	57.7	47.8	120	0	0	0	
2,4-Dinitrotoluene	2495	370	3751	0	66.5	41.6	120	0	0	0	
2-Chlorophenol	2197	370	3751	0	58.6	45.5	120	0	0	0	
4-Chloro-3-methylphenol	2504	370	3751	0	66.8	39.1	118	0	0	0	
4-Nitrophenol	2369	1900	3751	0	63.2	31.4	120	0	0	0	
Acenaphthene	2554	370	3751	0	68.1	50	120	0	0	0	
N-Nitrosodi-n-propylamine	2300	370	3751	0	61.3	50.5	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **1211E65-004CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892083**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	2473	1900	3751	0	65.9	30.1	120	0	0	0	
Phenol	2131	370	3751	0	56.8	42.2	120	0	0	0	
Pyrene	2515	370	3751	0	67	46.7	115	0	0	0	
Surr: 2,4,6-Tribromophenol	3079	0	3751	0	82.1	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1280	0	1876	0	68.2	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2214	0	3751	0	59	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1474	0	1876	0	78.6	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1126	0	1876	0	60	38	120	0	0	0	
Surr: Phenol-d5	2473	0	3751	0	65.9	40	120	0	0	0	

Sample ID: **1211E65-004CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **11/21/2012** Run No: **233605**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892084**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2396	370	3758	0	63.8	53.1	120	2417	0.879	27.7	
1,4-Dichlorobenzene	2180	370	3758	0	58	47.8	120	2164	0.754	29.4	
2,4-Dinitrotoluene	2369	370	3758	0	63.1	41.6	120	2495	5.16	28.2	
2-Chlorophenol	2226	370	3758	0	59.2	45.5	120	2197	1.3	28.7	
4-Chloro-3-methylphenol	2476	370	3758	0	65.9	39.1	118	2504	1.16	31.3	
4-Nitrophenol	1785	1900	3758	0	47.5	31.4	120	2369	0	29.3	
Acenaphthene	2427	370	3758	0	64.6	50	120	2554	5.11	26.5	
N-Nitrosodi-n-propylamine	2273	370	3758	0	60.5	50.5	120	2300	1.2	24.2	
Pentachlorophenol	2263	1900	3758	0	60.2	30.1	120	2473	8.84	34.9	
Phenol	2123	370	3758	0	56.5	42.2	120	2131	0.345	27.1	
Pyrene	2421	370	3758	0	64.4	46.7	115	2515	3.77	30.2	
Surr: 2,4,6-Tribromophenol	2858	0	3758	0	76.1	40.4	136	3079	0	0	
Surr: 2-Fluorobiphenyl	1209	0	1879	0	64.4	46.1	120	1280	0	0	
Surr: 2-Fluorophenol	2161	0	3758	0	57.5	35.8	120	2214	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169282

Sample ID: **1211E65-004CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **11/21/2012** Run No: **233605**
BatchID: **169282** Analysis Date: **11/23/2012** Seq No: **4892084**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Terphenyl-d14	1376	0	1879	0	73.2	50.2	134	1474	0	0	
Surr: Nitrobenzene-d5	1090	0	1879	0	58	38	120	1126	0	0	
Surr: Phenol-d5	2408	0	3758	0	64.1	40	120	2473	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169593

Sample ID: **MB-169593** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234048**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/03/2012** Seq No: **4901070**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethene, Total	0	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
1,4-Dioxane	0	150	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	0	5.0	0	0	0	0	0	0	0	0	
2-Butanone	0	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	0	10	0	0	0	0	0	0	0	0	
2-Chlorotoluene	0	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	0	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169593

Sample ID: **MB-169593** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234048**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/03/2012** Seq No: **4901070**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chlorotoluene	0	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	0	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	0	10	0	0	0	0	0	0	0	0	
Acetone	0	100	0	0	0	0	0	0	0	0	
Acrolein	0	50	0	0	0	0	0	0	0	0	
Acrylonitrile	0	50	0	0	0	0	0	0	0	0	
Benzene	0	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	0	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	0	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	0	5.0	0	0	0	0	0	0	0	0	
Bromoform	0	5.0	0	0	0	0	0	0	0	0	
Bromomethane	0	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	0	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	0	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	0	5.0	0	0	0	0	0	0	0	0	
Chloroethane	0	10	0	0	0	0	0	0	0	0	
Chloroform	0	5.0	0	0	0	0	0	0	0	0	
Chloromethane	0	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	0	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	0	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	0	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	0	10	0	0	0	0	0	0	0	0	
Ethylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Freon-113	0	10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169593

Sample ID: **MB-169593** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234048**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/03/2012** Seq No: **4901070**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iodomethane	0	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	0	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	1.220	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	0	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	0	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	0	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	0	20	0	0	0	0	0	0	0	0	
n-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Naphthalene	0	5.0	0	0	0	0	0	0	0	0	
o-Xylene	0	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Styrene	0	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	0	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	0	5.0	0	0	0	0	0	0	0	0	
Toluene	4.200	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	0	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	0	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	0	10	0	0	0	0	0	0	0	0	
Trichloroethene	0	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	0	5.0	0	0	0	0	0	0	0	0	
Vinyl acetate	0	10	0	0	0	0	0	0	0	0	
Vinyl chloride	0	10	0	0	0	0	0	0	0	0	
Xylenes, Total	1.220	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	44.23	0	50	0	88.5	63.8	133	0	0	0	
Surr: Dibromofluoromethane	43.21	0	50	0	86.4	74.3	130	0	0	0	
Surr: Toluene-d8	42.86	0	50	0	85.7	72.8	122	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169593

Sample ID: **LCS-169593** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234048**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/03/2012** Seq No: **4901345**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.87	5.0	50	0	102	60	140	0	0	0	
Benzene	49.00	5.0	50	0	98	70	130	0	0	0	
Chlorobenzene	50.71	5.0	50	0	101	70	130	0	0	0	
Toluene	52.22	5.0	50	4.200	96	70	130	0	0	0	
Trichloroethene	53.76	5.0	50	0	108	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	52.95	0	50	0	106	63.8	133	0	0	0	
Surr: Dibromofluoromethane	47.05	0	50	0	94.1	74.3	130	0	0	0	
Surr: Toluene-d8	43.56	0	50	0	87.1	72.8	122	0	0	0	

Sample ID: **1211L22-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234241**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/06/2012** Seq No: **4906074**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.38	5.9	59.09	0	85.3	58.8	157	0	0	0	
Benzene	56.90	5.9	59.09	0	96.3	66.3	139	0	0	0	
Chlorobenzene	58.54	5.9	59.09	0	99.1	67.8	131	0	0	0	
Toluene	59.07	5.9	59.09	0	100	66	138	0	0	0	
Trichloroethene	54.64	5.9	59.09	0	92.5	72.5	141	0	0	0	
Surr: 4-Bromofluorobenzene	63.40	0	59.09	0	107	63.8	133	0	0	0	
Surr: Dibromofluoromethane	58.70	0	59.09	0	99.3	74.3	130	0	0	0	
Surr: Toluene-d8	59.50	0	59.09	0	101	72.8	122	0	0	0	

Sample ID: **1211L22-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234241**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **169593** Analysis Date: **12/06/2012** Seq No: **4906077**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.93	5.9	59.09	0	86.2	58.8	157	50.38	1.1	21.9	
Benzene	54.21	5.9	59.09	0	91.7	66.3	139	56.90	4.85	22.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169593

Sample ID: **1211L22-001AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234241**
BatchID: **169593** Analysis Date: **12/06/2012** Seq No: **4906077**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	56.89	5.9	59.09	0	96.3	67.8	131	58.54	2.87	17.3	
Toluene	54.95	5.9	59.09	0	93	66	138	59.07	7.23	18.1	
Trichloroethene	54.24	5.9	59.09	0	91.8	72.5	141	54.64	0.738	18.7	
Surr: 4-Bromofluorobenzene	61.80	0	59.09	0	105	63.8	133	63.40	0	0	
Surr: Dibromofluoromethane	58.65	0	59.09	0	99.3	74.3	130	58.70	0	0	
Surr: Toluene-d8	57.04	0	59.09	0	96.5	72.8	122	59.50	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	0	330	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	0	330	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	0	330	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	0	1700	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	0	1700	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	0	660	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
2-Chlorophenol	0	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	0	330	0	0	0	0	0	0	0	0	
2-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
2-Nitrophenol	0	330	0	0	0	0	0	0	0	0	
2-Picoline	0	330	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	0	660	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	0	660	0	0	0	0	0	0	0	0	
3,4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	0	330	0	0	0	0	0	0	0	0	
3-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	0	1700	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	0	660	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4-Nitrophenol	0	1700	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	0	1700	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	0	330	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	0	1700	0	0	0	0	0	0	0	0	
Acenaphthene	0	330	0	0	0	0	0	0	0	0	
Acenaphthylene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetophenone	0	330	0	0	0	0	0	0	0	0	
Allethrin	0	330	0	0	0	0	0	0	0	0	
Aniline	0	330	0	0	0	0	0	0	0	0	
Anthracene	0	330	0	0	0	0	0	0	0	0	
Aramite	0	330	0	0	0	0	0	0	0	0	
Atrazine	0	330	0	0	0	0	0	0	0	0	
Baygon	0	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
Benzaldehyde	0	330	0	0	0	0	0	0	0	0	
Benzidine	0	2600	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	0	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	0	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzoic acid	0	6600	0	0	0	0	0	0	0	0	
Benzyl alcohol	0	660	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	0	330	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	0	330	0	0	0	0	0	0	0	0	
Caprolactam	0	330	0	0	0	0	0	0	0	0	
Carbazole	0	330	0	0	0	0	0	0	0	0	
Chlorfenvinphos	0	0	0	0	0	0	0	0	0	0	
Chlorobenzilate	0	330	0	0	0	0	0	0	0	0	
Chloropyrifos	0	330	0	0	0	0	0	0	0	0	
Chrysene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Di-n-butyl phthalate	0	330	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	0	330	0	0	0	0	0	0	0	0	
Diallate	0	330	0	0	0	0	0	0	0	0	
Diazinon	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	0	330	0	0	0	0	0	0	0	0	
Dibenzofuran	0	330	0	0	0	0	0	0	0	0	
Diethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethoate	0	660	0	0	0	0	0	0	0	0	
Dimethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
Diphenylamine	0	330	0	0	0	0	0	0	0	0	
Disulfoton	0	1900	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	0	660	0	0	0	0	0	0	0	0	
Famphur	0	660	0	0	0	0	0	0	0	0	
Fenvalerate	0	330	0	0	0	0	0	0	0	0	
Fluoranthene	0	330	0	0	0	0	0	0	0	0	
Fluorene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	330	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	0	660	0	0	0	0	0	0	0	0	
Hexachloroethane	0	2600	0	0	0	0	0	0	0	0	
Hexachlorophene	0	17000	0	0	0	0	0	0	0	0	
Hexachloropropene	0	1700	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	0	330	0	0	0	0	0	0	0	0	
Isodrin	0	660	0	0	0	0	0	0	0	0	
Isophorone	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isosafrole	0	330	0	0	0	0	0	0	0	0	
Kepone	0	1700	0	0	0	0	0	0	0	0	
Methapyrilene	0	660	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	0	1700	0	0	0	0	0	0	0	0	
Methyl parathion	0	330	0	0	0	0	0	0	0	0	
MGK-264	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	0	1700	0	0	0	0	0	0	0	0	
Naphthalene	0	330	0	0	0	0	0	0	0	0	
Nitrobenzene	0	330	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	0	330	0	0	0	0	0	0	0	0	
o-Toluidine	0	1300	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
p-Phenylenediamine	0	17000	0	0	0	0	0	0	0	0	
Parathion	0	330	0	0	0	0	0	0	0	0	
Pentachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	0	660	0	0	0	0	0	0	0	0	
Pentachlorophenol	0	1700	0	0	0	0	0	0	0	0	
Perylene	0	330	0	0	0	0	0	0	0	0	
Phenacetin	0	660	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **MB-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903953**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenanthrene	0	330	0	0	0	0	0	0	0	0	
Phenol	0	330	0	0	0	0	0	0	0	0	
Phenothrin	0	330	0	0	0	0	0	0	0	0	
Phorate	0	330	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	0	330	0	0	0	0	0	0	0	0	
Pronamide	0	330	0	0	0	0	0	0	0	0	
Pyrene	0	330	0	0	0	0	0	0	0	0	
Pyrethrin	0	1700	0	0	0	0	0	0	0	0	
Pyridine	0	330	0	0	0	0	0	0	0	0	
Resmethrin	0	330	0	0	0	0	0	0	0	0	
Safrole	0	330	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	0	330	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	0	660	0	0	0	0	0	0	0	0	
Tetramethrin	0	330	0	0	0	0	0	0	0	0	
Thionazin	0	660	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	3156	0	3333	0	94.7	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1308	0	1667	0	78.5	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2335	0	3333	0	70.1	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1567	0	1667	0	94	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1211	0	1667	0	72.7	38	120	0	0	0	
Surr: Phenol-d5	2489	0	3333	0	74.7	40	120	0	0	0	

Sample ID: **LCS-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903954**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2365	330	3333	0	71	55.6	120	0	0	0	
1,4-Dichlorobenzene	2103	330	3333	0	63.1	53.8	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **LCS-169601** Client ID: Units: **ug/Kg** Prep Date: **12/03/2012** Run No: **234037**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/03/2012** Seq No: **4903954**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2692	330	3333	0	80.8	54.7	120	0	0	0	
2-Chlorophenol	2165	330	3333	0	65	54.5	120	0	0	0	
4-Chloro-3-methylphenol	2549	330	3333	0	76.5	56.6	120	0	0	0	
4-Nitrophenol	2025	1700	3333	0	60.7	40.4	120	0	0	0	
Acenaphthene	2543	330	3333	0	76.3	59.9	120	0	0	0	
N-Nitrosodi-n-propylamine	2329	330	3333	0	69.9	53.2	120	0	0	0	
Pentachlorophenol	2403	1700	3333	0	72.1	41	120	0	0	0	
Phenol	2131	330	3333	0	63.9	50.5	120	0	0	0	
Pyrene	2614	330	3333	0	78.4	60.2	121	0	0	0	
Surr: 2,4,6-Tribromophenol	3234	0	3333	0	97	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1332	0	1667	0	79.9	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2289	0	3333	0	68.7	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1542	0	1667	0	92.5	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1211	0	1667	0	72.7	38	120	0	0	0	
Surr: Phenol-d5	2576	0	3333	0	77.3	40	120	0	0	0	

Sample ID: **1211L60-004CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234157**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/04/2012** Seq No: **4905147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	4135	420	4233	0	97.7	53.1	120	0	0	0	
1,4-Dichlorobenzene	3647	420	4233	0	86.2	47.8	120	0	0	0	
2,4-Dinitrotoluene	4084	420	4233	0	96.5	41.6	120	0	0	0	
2-Chlorophenol	2658	420	4233	0	62.8	45.5	120	0	0	0	
4-Chloro-3-methylphenol	1516	420	4233	0	35.8	39.1	118	0	0	0	S
4-Nitrophenol	0	2200	4233	0	0	31.4	120	0	0	0	S
Acenaphthene	3382	420	4233	0	79.9	50	120	0	0	0	
N-Nitrosodi-n-propylamine	2895	420	4233	0	68.4	50.5	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **1211L60-004CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234157**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/04/2012** Seq No: **4905147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	0	2200	4233	0	0	30.1	120	0	0	0	S
Phenol	2271	420	4233	0	53.6	42.2	120	0	0	0	
Pyrene	3478	420	4233	0	82.2	46.7	115	0	0	0	
Surr: 2,4,6-Tribromophenol	1541	0	4233	0	36.4	40.4	136	0	0	0	S
Surr: 2-Fluorobiphenyl	2127	0	2117	0	100	46.1	120	0	0	0	
Surr: 2-Fluorophenol	3138	0	4233	0	74.1	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	2002	0	2117	0	94.6	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1900	0	2117	0	89.8	38	120	0	0	0	
Surr: Phenol-d5	2538	0	4233	0	60	40	120	0	0	0	

Sample ID: **1211L60-004CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234157**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169601** Analysis Date: **12/04/2012** Seq No: **4905151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	5073	420	4223	0	120	53.1	120	4135	20.4	27.7	S
1,4-Dichlorobenzene	5059	420	4223	0	120	47.8	120	3647	32.4	29.4	R
2,4-Dinitrotoluene	4848	420	4223	0	115	41.6	120	4084	17.1	28.2	
2-Chlorophenol	2858	420	4223	0	67.7	45.5	120	2658	7.23	28.7	
4-Chloro-3-methylphenol	1062	420	4223	0	25.1	39.1	118	1516	35.2	31.3	SR
4-Nitrophenol	2411	2200	4223	0	57.1	31.4	120	0	200	29.3	R
Acenaphthene	3439	420	4223	0	81.4	50	120	3382	1.68	26.5	
N-Nitrosodi-n-propylamine	2312	420	4223	0	54.8	50.5	120	2895	22.4	24.2	
Pentachlorophenol	627.6	2200	4223	0	14.9	30.1	120	0	0	34.9	S
Phenol	1272	420	4223	0	30.1	42.2	120	2271	56.4	27.1	SR
Pyrene	2685	420	4223	0	63.6	46.7	115	3478	25.7	30.2	
Surr: 2,4,6-Tribromophenol	1836	0	4223	0	43.5	40.4	136	1541	0	0	
Surr: 2-Fluorobiphenyl	2425	0	2112	0	115	46.1	120	2127	0	0	
Surr: 2-Fluorophenol	2801	0	4223	0	66.3	35.8	120	3138	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169601

Sample ID: **1211L60-004CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **12/03/2012** Run No: **234157**
BatchID: **169601** Analysis Date: **12/04/2012** Seq No: **4905151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Terphenyl-d14	1253	0	2112	0	59.3	50.2	134	2002	0	0	
Surr: Nitrobenzene-d5	1892	0	2112	0	89.6	38	120	1900	0	0	
Surr: Phenol-d5	1270	0	4223	0	30.1	40	120	2538	0	0	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	0	330	0	0	0	0	0	0	0	0	
1,2,4,5-Tetrachlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,2-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,2-Diphenylhydrazine	0	330	0	0	0	0	0	0	0	0	
1,3,5-Trinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,3-Dinitrobenzene	0	660	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	0	330	0	0	0	0	0	0	0	0	
1,4-Napthoquinone	0	330	0	0	0	0	0	0	0	0	
1-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	
1-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2,3,4,6-Tetrachlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	0	1700	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	0	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	0	1700	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2,6-Dichlorophenol	0	330	0	0	0	0	0	0	0	0	
2,6-Dinitrotoluene	0	330	0	0	0	0	0	0	0	0	
2-Acetylaminofluorene	0	660	0	0	0	0	0	0	0	0	
2-Chloronaphthalene	0	330	0	0	0	0	0	0	0	0	
2-Chlorophenol	0	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylphenol	0	330	0	0	0	0	0	0	0	0	
2-Naphthylamine	0	660	0	0	0	0	0	0	0	0	
2-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
2-Nitrophenol	0	330	0	0	0	0	0	0	0	0	
2-Picoline	0	330	0	0	0	0	0	0	0	0	
3,3´-Dichlorobenzidine	0	660	0	0	0	0	0	0	0	0	
3,3´-Dimethylbenzidine	0	660	0	0	0	0	0	0	0	0	
3,4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
3-Methylcholanthrene	0	330	0	0	0	0	0	0	0	0	
3-Methylphenol	0	330	0	0	0	0	0	0	0	0	
3-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4,6-Dinitro-2-methylphenol	0	1700	0	0	0	0	0	0	0	0	
4-Aminobiphenyl	0	660	0	0	0	0	0	0	0	0	
4-Bromophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Chloroaniline	0	330	0	0	0	0	0	0	0	0	
4-Chlorophenyl phenyl ether	0	330	0	0	0	0	0	0	0	0	
4-Methylphenol	0	330	0	0	0	0	0	0	0	0	
4-Nitroaniline	0	1700	0	0	0	0	0	0	0	0	
4-Nitrophenol	0	1700	0	0	0	0	0	0	0	0	
4-Nitroquinoline,1-oxide	0	1700	0	0	0	0	0	0	0	0	
5-Nitro-o-toluidine	0	330	0	0	0	0	0	0	0	0	
7,12-Dimethylbenz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
a,a-Dimethylphenethylamine	0	1700	0	0	0	0	0	0	0	0	
Acenaphthene	0	330	0	0	0	0	0	0	0	0	
Acenaphthylene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetophenone	0	330	0	0	0	0	0	0	0	0	
Allethrin	0	330	0	0	0	0	0	0	0	0	
Aniline	0	330	0	0	0	0	0	0	0	0	
Anthracene	0	330	0	0	0	0	0	0	0	0	
Aramite	0	330	0	0	0	0	0	0	0	0	
Atrazine	0	330	0	0	0	0	0	0	0	0	
Baygon	0	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	0	330	0	0	0	0	0	0	0	0	
Benzaldehyde	0	330	0	0	0	0	0	0	0	0	
Benzidine	0	2600	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	0	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	0	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	0	330	0	0	0	0	0	0	0	0	
Benzoic acid	0	6600	0	0	0	0	0	0	0	0	
Benzyl alcohol	0	660	0	0	0	0	0	0	0	0	
Bis(2-chloroethoxy)methane	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroethyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-chloroisopropyl)ether	0	330	0	0	0	0	0	0	0	0	
Bis(2-ethylhexyl)phthalate	0	330	0	0	0	0	0	0	0	0	
Butyl benzyl phthalate	0	330	0	0	0	0	0	0	0	0	
Caprolactam	0	330	0	0	0	0	0	0	0	0	
Carbazole	0	330	0	0	0	0	0	0	0	0	
Chlorfenvinphos	0	0	0	0	0	0	0	0	0	0	
Chlorobenzilate	0	330	0	0	0	0	0	0	0	0	
Chloropyrifos	0	330	0	0	0	0	0	0	0	0	
Chrysene	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Di-n-butyl phthalate	0	330	0	0	0	0	0	0	0	0	
Di-n-octyl phthalate	0	330	0	0	0	0	0	0	0	0	
Diallate	0	330	0	0	0	0	0	0	0	0	
Diazinon	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	0	330	0	0	0	0	0	0	0	0	
Dibenz(a,j)acridine	0	330	0	0	0	0	0	0	0	0	
Dibenzofuran	0	330	0	0	0	0	0	0	0	0	
Diethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethoate	0	660	0	0	0	0	0	0	0	0	
Dimethyl phthalate	0	330	0	0	0	0	0	0	0	0	
Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
Diphenylamine	0	330	0	0	0	0	0	0	0	0	
Disulfoton	0	1900	0	0	0	0	0	0	0	0	
Ethyl methanesulfonate	0	660	0	0	0	0	0	0	0	0	
Famphur	0	660	0	0	0	0	0	0	0	0	
Fenvalerate	0	330	0	0	0	0	0	0	0	0	
Fluoranthene	0	330	0	0	0	0	0	0	0	0	
Fluorene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	0	330	0	0	0	0	0	0	0	0	
Hexachlorocyclopentadiene	0	660	0	0	0	0	0	0	0	0	
Hexachloroethane	0	2600	0	0	0	0	0	0	0	0	
Hexachlorophene	0	17000	0	0	0	0	0	0	0	0	
Hexachloropropene	0	1700	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	0	330	0	0	0	0	0	0	0	0	
Isodrin	0	660	0	0	0	0	0	0	0	0	
Isophorone	0	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isosafrole	0	330	0	0	0	0	0	0	0	0	
Kepone	0	1700	0	0	0	0	0	0	0	0	
Methapyrilene	0	660	0	0	0	0	0	0	0	0	
Methyl methanesulfonate	0	1700	0	0	0	0	0	0	0	0	
Methyl parathion	0	330	0	0	0	0	0	0	0	0	
MGK-264	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-butylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodi-n-propylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosodiethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodimethylamine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosodiphenylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomethylethylamine	0	330	0	0	0	0	0	0	0	0	
N-Nitrosomorpholine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopiperidine	0	660	0	0	0	0	0	0	0	0	
N-Nitrosopyrrolidine	0	1700	0	0	0	0	0	0	0	0	
Naphthalene	0	330	0	0	0	0	0	0	0	0	
Nitrobenzene	0	330	0	0	0	0	0	0	0	0	
O,O,O-Triethyl phosphorothioate	0	330	0	0	0	0	0	0	0	0	
o-Toluidine	0	1300	0	0	0	0	0	0	0	0	
p-Dimethylaminoazobenzene	0	330	0	0	0	0	0	0	0	0	
p-Phenylenediamine	0	17000	0	0	0	0	0	0	0	0	
Parathion	0	330	0	0	0	0	0	0	0	0	
Pentachlorobenzene	0	330	0	0	0	0	0	0	0	0	
Pentachloronitrobenzene	0	660	0	0	0	0	0	0	0	0	
Pentachlorophenol	0	1700	0	0	0	0	0	0	0	0	
Perylene	0	330	0	0	0	0	0	0	0	0	
Phenacetin	0	660	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **MB-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4905706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenanthrene	0	330	0	0	0	0	0	0	0	0	
Phenol	0	330	0	0	0	0	0	0	0	0	
Phenothrin	0	330	0	0	0	0	0	0	0	0	
Phorate	0	330	0	0	0	0	0	0	0	0	
Piperonyl Butoxide	0	330	0	0	0	0	0	0	0	0	
Pronamide	0	330	0	0	0	0	0	0	0	0	
Pyrene	0	330	0	0	0	0	0	0	0	0	
Pyrethrin	0	1700	0	0	0	0	0	0	0	0	
Pyridine	0	330	0	0	0	0	0	0	0	0	
Resmethrin	0	330	0	0	0	0	0	0	0	0	
Safrole	0	330	0	0	0	0	0	0	0	0	
Sym-Trinitrobenzene	0	330	0	0	0	0	0	0	0	0	
Tetraethyl dithiopyrophosphate	0	660	0	0	0	0	0	0	0	0	
Tetramethrin	0	330	0	0	0	0	0	0	0	0	
Thionazin	0	660	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	2483	0	3333	0	74.5	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1266	0	1667	0	76	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2439	0	3333	0	73.2	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1583	0	1667	0	95	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1156	0	1667	0	69.4	38	120	0	0	0	
Surr: Phenol-d5	2533	0	3333	0	76	40	120	0	0	0	

Sample ID: **LCS-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4906537**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2242	330	3333	0	67.3	55.6	120	0	0	0	
1,4-Dichlorobenzene	2213	330	3333	0	66.4	53.8	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **LCS-169789** Client ID: Units: **ug/Kg** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4906537**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2215	330	3333	0	66.5	54.7	120	0	0	0	
2-Chlorophenol	2342	330	3333	0	70.3	54.5	120	0	0	0	
4-Chloro-3-methylphenol	2296	330	3333	0	68.9	56.6	120	0	0	0	
4-Nitrophenol	1942	1700	3333	0	58.3	40.4	120	0	0	0	
Acenaphthene	2511	330	3333	0	75.3	59.9	120	0	0	0	
N-Nitrosodi-n-propylamine	2719	330	3333	0	81.6	53.2	120	0	0	0	
Pentachlorophenol	2279	1700	3333	0	68.4	41	120	0	0	0	
Phenol	2391	330	3333	0	71.7	50.5	120	0	0	0	
Pyrene	2540	330	3333	0	76.2	60.2	121	0	0	0	
Surr: 2,4,6-Tribromophenol	2515	0	3333	0	75.4	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1322	0	1667	0	79.3	46.1	120	0	0	0	
Surr: 2-Fluorophenol	2484	0	3333	0	74.5	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1549	0	1667	0	92.9	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1197	0	1667	0	71.8	38	120	0	0	0	
Surr: Phenol-d5	2552	0	3333	0	76.6	40	120	0	0	0	

Sample ID: **1212367-002BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4908919**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2916	410	4127	0	70.7	53.1	120	0	0	0	
1,4-Dichlorobenzene	2950	410	4127	0	71.5	47.8	120	0	0	0	
2,4-Dinitrotoluene	2837	410	4127	0	68.7	41.6	120	0	0	0	
2-Chlorophenol	3132	410	4127	0	75.9	45.5	120	0	0	0	
4-Chloro-3-methylphenol	3005	410	4127	0	72.8	39.1	118	0	0	0	
4-Nitrophenol	2470	2100	4127	0	59.9	31.4	120	0	0	0	
Acenaphthene	3213	410	4127	0	77.9	50	120	0	0	0	
N-Nitrosodi-n-propylamine	3572	410	4127	0	86.5	50.5	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **1212367-002BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4908919**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	2947	2100	4127	0	71.4	30.1	120	0	0	0	
Phenol	3221	410	4127	0	78	42.2	120	0	0	0	
Pyrene	3165	410	4127	0	76.7	46.7	115	0	0	0	
Surr: 2,4,6-Tribromophenol	3002	0	4127	0	72.7	40.4	136	0	0	0	
Surr: 2-Fluorobiphenyl	1580	0	2064	0	76.6	46.1	120	0	0	0	
Surr: 2-Fluorophenol	3154	0	4127	0	76.4	35.8	120	0	0	0	
Surr: 4-Terphenyl-d14	1836	0	2064	0	89	50.2	134	0	0	0	
Surr: Nitrobenzene-d5	1475	0	2064	0	71.5	38	120	0	0	0	
Surr: Phenol-d5	3222	0	4127	0	78.1	40	120	0	0	0	

Sample ID: **1212367-002BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **12/06/2012** Run No: **234269**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4908924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2813	410	4130	0	68.1	53.1	120	2916	3.59	27.7	
1,4-Dichlorobenzene	2878	410	4130	0	69.7	47.8	120	2950	2.44	29.4	
2,4-Dinitrotoluene	2788	410	4130	0	67.5	41.6	120	2837	1.74	28.2	
2-Chlorophenol	3077	410	4130	0	74.5	45.5	120	3132	1.77	28.7	
4-Chloro-3-methylphenol	2880	410	4130	0	69.7	39.1	118	3005	4.26	31.3	
4-Nitrophenol	2500	2100	4130	0	60.5	31.4	120	2470	1.21	29.3	
Acenaphthene	3074	410	4130	0	74.4	50	120	3213	4.44	26.5	
N-Nitrosodi-n-propylamine	3443	410	4130	0	83.4	50.5	120	3572	3.65	24.2	
Pentachlorophenol	3025	2100	4130	0	73.3	30.1	120	2947	2.62	34.9	
Phenol	3169	410	4130	0	76.7	42.2	120	3221	1.64	27.1	
Pyrene	3163	410	4130	0	76.6	46.7	115	3165	0.064	30.2	
Surr: 2,4,6-Tribromophenol	2956	0	4130	0	71.6	40.4	136	3002	0	0	
Surr: 2-Fluorobiphenyl	1524	0	2065	0	73.8	46.1	120	1580	0	0	
Surr: 2-Fluorophenol	3004	0	4130	0	72.7	35.8	120	3154	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1211B83

ANALYTICAL QC SUMMARY REPORT

BatchID: 169789

Sample ID: **1212367-002BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **12/06/2012** Run No: **234269**
BatchID: **169789** Analysis Date: **12/06/2012** Seq No: **4908924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Terphenyl-d14	1790	0	2065	0	86.7	50.2	134	1836	0	0	
Surr: Nitrobenzene-d5	1401	0	2065	0	67.8	38	120	1475	0	0	
Surr: Phenol-d5	3108	0	4130	0	75.3	40	120	3222	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 17, 2012

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 864-9789
FAX: (770) 864-9789

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1207J12

Analytical Environmental Services, Inc. received 43 samples on July 27, 2012 3:10 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/12-06/30/13.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck

Tara Esbeck
Project Manager

Revision 9/17/2012

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/23 Page 1 of 3

COMPANY:	ADDRESS:
ENVIROFISH CON.	3335 SWEET BASIL LANE
PHONE: (7) 864-9789	FAX:
SAMPLED BY: ADL	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs	METALS	PESTICIDES	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB/Bk-2 @ 1'	7/23	9:30	✓		SO	✓	✓	✓				
2	SB/Bk-2 @ 3-4'		9:38	✓			✓	✓	✓				
3	SB/Bk-2 @ 15-16		9:40	✓			✓	✓	✓				
4	SB/Bk-3 @ 1'		10:10	✓			✓	✓	✓				
5	SB/Bk-3 @ 3-4'		10:30	✓			✓	✓	✓				
6	SB/BK-3 @ 15-16'		10:40	✓			✓	✓	✓				
7	SB/Bk-1 @ 1'		11:00	✓			✓	✓	✓				
8	SB/Bk-1 @ 3-4'		11:10	✓			✓	✓	✓	✓			
9	SB/Bk-1 @ 11-12'		11:20	✓			✓	✓	✓				
10	SWMU1-1 @ 2-3		2:11	✓			✓	✓	✓				
11	SWMU1-3 @ 1-2'		2:45	✓			✓	✓	✓				
12	SWMU1-3 @ 3-4'		2:51	✓			✓	✓	✓				
13	SWMU1-2 @ 2-3'		2:22	✓			✓	✓	✓				
14	SWMU1-2 @ 11-12'		3:00	✓			✓	✓	✓				

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:10	1: Lalaye P	7/27 3:10pm
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC MCR

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / /

IN / /

VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/23,24 Page 1 of 3

COMPANY: ENVIRONSW CON.

ADDRESS:

PHONE: (7)864-9789

FAX:

SAMPLED BY: AOL

SIGNATURE:

ANALYSIS REQUESTED

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs	METALS	REMARKS	No # of Containers
	PRESERVATION (See codes)										
1	SWMU 4-5 @ 3-4	7/23	3:40	✓		SO	✓	✓	✓		
2	SWMU4-5 @ 7-8		3:45	✓			✓	✓	✓		
3	SWMU 4-3 @ 3-4		4:15	✓			✓	✓	✓		
4	SWMU 4-3 @ 7-8		4:25	✓			✓	✓	✓		
5	SWMU 4-4 @ 3-4		4:45	✓			✓	✓	✓		
6	SWMU 4-4 @ 7-8		4:55	✓			✓	✓	✓		
7	SB/TW-13 @ 31-32	7/24	10:04	✓			✓	✓	✓		
8	SB/TW-15 @ 7-8'		11:11	✓			✓	✓	✓		
9	SB/TW-14 @ 32-33'		12:15	✓			✓	✓	✓		
10	SWMU4-1 @ 8-9		2:35	✓			✓	✓	✓		
11	SWMU4-1 @ 11-12'		2:45	✓			✓	✓	✓		
12	SWMU 8-1 @ 2-3'		3:00	✓			✓	✓	✓		
13	SWMU 4-2 @ 11-12'		4:10	✓			✓	✓	✓		
14	SWMU 4-2 @ 19-20'		4:20	✓			✓	✓	✓		

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:20	1: Catalya P	7/27/12 3:10pm
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC MER

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/25-27 Page 3 of 3

COMPANY: ENVIROTECH CONS.

ADDRESS:

PHONE: (7) 864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

ANALYSIS REQUESTED: VOCs, SVOCs, METALS

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SWMU G-1 @ [illegible] 11.5-12.5	7/24	4:59	+		SO	+		
2	SB/TW-16 @ 26-27	7/25	2:40	+			+		
3	SB/TW-20 @ 28-29		4:00						
4	SWMU G-4 @ 11-12		5:15						
5	SWMU G-4 @ 27-28		5:20						
6	SWMU G-3 @ 7-8	7/26	8:55						
7	SWMU G-3 @ 19-20		9:00						
8	SWMU G-2 @ 11-12		9:30						
9	SB/TW-[illegible]19 @ [illegible] 15-16		10:45						
10	SB/TW-19 @ 35-36		10:55						
11	SB/TW-17 @ 17-18		11:45						
12	SB/TW-21 @ 26-27		2:55						
13	SB/TW-22 @ 19-20		3:50						
14	SB/TW-23 @ 35-36	7/27	9:00						

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:40	1: Latoya P	7/27/12 3:19pm
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: LO.C MER

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers

Turnaround Time Request

- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1207J12

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Three sodium bisulfate vials and no methanol vial received for sample " SB/BK-1@3-4'". One sodium bisulfate and two methanol vials were received for sample "SB/BK-1@11-12'". Samples were logged in per analysis requested on COC.

Semi-volatile Organics Analysis by Method 8270D:

Percent recovery for the surrogate spiking compound 4-Terphenyl-d14 on the LCS sample for Batch 164483 was outside control limits biased high. All target analytes, other MB and LCS surrogate recoveries were within control limits and data was not affected.

Due to sample matrix, sample 1207J12-10c, -11c, -12c, -13c, -21c, -27c, -30c, -31c, -32c, -33c, -34c, -37c, -38c, -41c required dilution during preparation and/or analysis resulting in elevated reporting limits.

Percent recovery for the internal standard compound Napthalene-d8 and phenanthrne-d10 on sample 1207J12-033C was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compounds 1,4-Difluorobenzene and Chlorobenzene-d5 on sample 1207J12-038A & -040A was outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1207J12-021A was outside control limits biased low due to suspected matrix interference.

Percent recovery for all the internal standard compounds on sample 1207J12-039A was outside control limits biased low due to suspected matrix interference.

Due to sample matrix, sample 1207J12-011A,019A,029A, -031A, -032A, -033A, -034A & -041A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012
Lab ID:	1207J12-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
2-Butanone	BRL	62		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,1,1-Trichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Benzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Toluene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Ethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
o-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Styrene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,3,5-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,2,4-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Surr: 4-Bromofluorobenzene	97.7	56.5-134		%REC	164657	1	08/02/2012 03:33	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 03:33	JE
Surr: Toluene-d8	97.4	77.1-117		%REC	164657	1	08/02/2012 03:33	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Methylnaphthalene	590	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Acenaphthene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Anthracene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benz(a)anthracene	520	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(a)pyrene	520	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(b)fluoranthene	950	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(k)fluoranthene	430	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Carbazole	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Chrysene	850	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Fluoranthene	760	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012
Lab ID:	1207J12-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Naphthalene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Phenanthrene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Phenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Pyrene	770	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Surr: 4-Terphenyl-d14	109	50.1-123		%REC	164483	1	08/01/2012 16:13	YH
Surr: Nitrobenzene-d5	74.3	37.5-120		%REC	164483	1	08/01/2012 16:13	YH
Surr: Phenol-d5	72.3	39-120		%REC	164483	1	08/01/2012 16:13	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Barium	79.0	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Cadmium	BRL	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Chromium	76.4	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Cobalt	12.2	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Copper	49.5	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Lead	39.3	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Nickel	13.6	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Selenium	BRL	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Vanadium	147	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Zinc	63.1	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:38:00 AM
Lab ID:	1207J12-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
2-Butanone	BRL	62		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,1,1-Trichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Benzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Toluene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Ethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
o-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Styrene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,3,5-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,2,4-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Surr: 4-Bromofluorobenzene	97.1	56.5-134		%REC	164657	1	08/02/2012 03:59	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 03:59	JE
Surr: Toluene-d8	99.1	77.1-117		%REC	164657	1	08/02/2012 03:59	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Acenaphthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Carbazole	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Chrysene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:38:00 AM
Lab ID:	1207J12-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Naphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Phenanthrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Phenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Surr: 4-Terphenyl-d14	104	50.1-123		%REC	164483	1	08/01/2012 16:40	YH
Surr: Nitrobenzene-d5	64.4	37.5-120		%REC	164483	1	08/01/2012 16:40	YH
Surr: Phenol-d5	62.4	39-120		%REC	164483	1	08/01/2012 16:40	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Barium	35.9	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Cadmium	BRL	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Chromium	97.4	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Cobalt	20.9	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Copper	16.2	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Lead	52.5	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Nickel	13.2	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Selenium	BRL	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Vanadium	87.5	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Zinc	16.6	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@15-16
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:40:00 AM
Lab ID:	1207J12-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Acetone	BRL	170		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
2-Butanone	BRL	83		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,1,1-Trichloroethane	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Benzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,2-Dichloroethane	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Trichloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Toluene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Tetrachloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Ethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
m,p-Xylene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
o-Xylene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Styrene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,3,5-Trimethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,2,4-Trimethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164657	1	08/02/2012 04:24	JE
Surr: Dibromofluoromethane	108	71.8-135		%REC	164657	1	08/02/2012 04:24	JE
Surr: Toluene-d8	98.7	77.1-117		%REC	164657	1	08/02/2012 04:24	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4,6-Trichlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4-Dimethylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4-Dinitrophenol	BRL	2700		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Chlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Methylnaphthalene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
3,4-Methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
4-Chloro-3-methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Acenaphthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Acenaphthylene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benz(a)anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(a)pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(b)fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(k)fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Carbazole	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Chrysene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Dibenz(a,h)anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Dibenzofuran	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@15-16
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:40:00 AM
Lab ID:	1207J12-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Indeno(1,2,3-cd)pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Naphthalene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Pentachlorophenol	BRL	2700		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Phenanthrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Phenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Surr: 4-Terphenyl-d14	96.8	50.1-123		%REC	164483	1	08/01/2012 17:07	YH
Surr: Nitrobenzene-d5	61.7	37.5-120		%REC	164483	1	08/01/2012 17:07	YH
Surr: Phenol-d5	61.2	39-120		%REC	164483	1	08/01/2012 17:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Barium	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Cadmium	BRL	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Chromium	25.9	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Cobalt	6.35	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Copper	54.9	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Lead	8.87	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Nickel	18.3	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Selenium	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Vanadium	213	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Zinc	18.3	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
PERCENT MOISTURE D2216								
Percent Moisture	37.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:10:00 AM
Lab ID:	1207J12-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Acetone	BRL	100		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
2-Butanone	BRL	50		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,1,1-Trichloroethane	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Benzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,2-Dichloroethane	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Trichloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Toluene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Tetrachloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Ethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
m,p-Xylene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
o-Xylene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Styrene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,3,5-Trimethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,2,4-Trimethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Surr: 4-Bromofluorobenzene	96.7	56.5-134		%REC	164657	1	08/02/2012 04:50	JE
Surr: Dibromofluoromethane	107	71.8-135		%REC	164657	1	08/02/2012 04:50	JE
Surr: Toluene-d8	97	77.1-117		%REC	164657	1	08/02/2012 04:50	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Acenaphthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Carbazole	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Chrysene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:10:00 AM
Lab ID:	1207J12-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Naphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Phenanthrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Phenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Surr: 4-Terphenyl-d14	105	50.1-123		%REC	164483	1	08/01/2012 17:34	YH
Surr: Nitrobenzene-d5	70.3	37.5-120		%REC	164483	1	08/01/2012 17:34	YH
Surr: Phenol-d5	67.7	39-120		%REC	164483	1	08/01/2012 17:34	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Barium	24.2	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Cadmium	BRL	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Chromium	91.9	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Cobalt	9.17	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Copper	14.8	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Lead	19.6	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Nickel	17.5	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Selenium	BRL	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Vanadium	43.7	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Zinc	14.2	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:30:00 AM
Lab ID:	1207J12-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
2-Butanone	BRL	61		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Benzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Trichloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Toluene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Tetrachloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Ethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
m,p-Xylene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
o-Xylene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Styrene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,3,5-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,2,4-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Surr: 4-Bromofluorobenzene	97.1	56.5-134		%REC	164657	1	08/02/2012 05:15	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164657	1	08/02/2012 05:15	JE
Surr: Toluene-d8	95.2	77.1-117		%REC	164657	1	08/02/2012 05:15	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Acenaphthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Carbazole	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Chrysene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:30:00 AM
Lab ID:	1207J12-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Naphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Phenanthrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Phenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Surr: 4-Terphenyl-d14	103	50.1-123		%REC	164483	1	08/01/2012 18:00	YH
Surr: Nitrobenzene-d5	66	37.5-120		%REC	164483	1	08/01/2012 18:00	YH
Surr: Phenol-d5	62.9	39-120		%REC	164483	1	08/01/2012 18:00	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Barium	85.6	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Cadmium	BRL	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Chromium	56.6	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Cobalt	10.5	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Copper	146	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Lead	13.1	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Nickel	11.5	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Selenium	BRL	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Vanadium	164	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Zinc	52.3	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
PERCENT MOISTURE D2216								
Percent Moisture	27.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@15-16'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:40:00 AM
Lab ID:	1207J12-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Acetone	BRL	130		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
2-Butanone	BRL	63		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,1,1-Trichloroethane	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Benzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,2-Dichloroethane	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Trichloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Toluene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Tetrachloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Ethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
m,p-Xylene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
o-Xylene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Styrene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,3,5-Trimethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,2,4-Trimethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164657	1	08/02/2012 05:40	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 05:40	JE
Surr: Toluene-d8	96.9	77.1-117		%REC	164657	1	08/02/2012 05:40	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Acenaphthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Carbazole	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Chrysene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@15-16'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:40:00 AM
Lab ID:	1207J12-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Naphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Phenanthrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Phenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Surr: 4-Terphenyl-d14	90.9	50.1-123		%REC	164483	1	08/01/2012 18:27	YH
Surr: Nitrobenzene-d5	57.9	37.5-120		%REC	164483	1	08/01/2012 18:27	YH
Surr: Phenol-d5	59.2	39-120		%REC	164483	1	08/01/2012 18:27	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Barium	103	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Cadmium	BRL	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Chromium	80.0	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Cobalt	17.7	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Copper	61.8	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Lead	14.1	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Nickel	65.0	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Selenium	BRL	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Vanadium	172	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Zinc	19.1	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:00:00 AM
Lab ID:	1207J12-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
2-Butanone	BRL	59		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,1,1-Trichloroethane	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Benzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,2-Dichloroethane	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Trichloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Toluene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Tetrachloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Ethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
m,p-Xylene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
o-Xylene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Styrene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,3,5-Trimethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,2,4-Trimethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Surr: 4-Bromofluorobenzene	98.5	56.5-134		%REC	164657	1	08/02/2012 06:05	JE
Surr: Dibromofluoromethane	109	71.8-135		%REC	164657	1	08/02/2012 06:05	JE
Surr: Toluene-d8	99.5	77.1-117		%REC	164657	1	08/02/2012 06:05	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4,6-Trichlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4-Dimethylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4-Dinitrophenol	BRL	2500		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Chlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Methylnaphthalene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
3,4-Methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
4-Chloro-3-methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Acenaphthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Acenaphthylene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benz(a)anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(a)pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(b)fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(k)fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Carbazole	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Chrysene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Dibenz(a,h)anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Dibenzofuran	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:00:00 AM
Lab ID:	1207J12-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Indeno(1,2,3-cd)pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Naphthalene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Pentachlorophenol	BRL	2500		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Phenanthrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Phenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Surr: 4-Terphenyl-d14	104	50.1-123		%REC	164483	1	08/01/2012 18:53	YH
Surr: Nitrobenzene-d5	69.8	37.5-120		%REC	164483	1	08/01/2012 18:53	YH
Surr: Phenol-d5	67.5	39-120		%REC	164483	1	08/01/2012 18:53	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Barium	14.9	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Cadmium	BRL	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Chromium	122	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Cobalt	6.87	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Copper	40.6	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Lead	25.8	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Nickel	17.9	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Selenium	BRL	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Vanadium	151	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Zinc	33.5	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
PERCENT MOISTURE D2216								
Percent Moisture	30.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:10:00 AM
Lab ID:	1207J12-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Acetone	BRL	97		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
2-Butanone	BRL	48		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,1,1-Trichloroethane	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Benzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,2-Dichloroethane	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Trichloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Toluene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Tetrachloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Ethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
m,p-Xylene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
o-Xylene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Styrene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,3,5-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,2,4-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164607	1	08/02/2012 21:21	JE
Surr: Dibromofluoromethane	99.5	71.8-135		%REC	164607	1	08/02/2012 21:21	JE
Surr: Toluene-d8	95.1	77.1-117		%REC	164607	1	08/02/2012 21:21	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Acenaphthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Acenaphthylene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Carbazole	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Chrysene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Dibenzofuran	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:10:00 AM
Lab ID:	1207J12-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Naphthalene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Phenanthrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Phenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Surr: 4-Terphenyl-d14	109	50.1-123		%REC	164483	1	08/01/2012 19:19	YH
Surr: Nitrobenzene-d5	70.6	37.5-120		%REC	164483	1	08/01/2012 19:19	YH
Surr: Phenol-d5	65.6	39-120		%REC	164483	1	08/01/2012 19:19	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Barium	83.0	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Cadmium	BRL	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Chromium	58.1	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Cobalt	7.73	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Copper	56.7	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Lead	32.7	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Nickel	17.9	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Selenium	BRL	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Vanadium	109	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Zinc	61.1	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:20:00 AM
Lab ID:	1207J12-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Acetone	BRL	92		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
2-Butanone	BRL	46		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Benzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Toluene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Styrene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164607	1	08/02/2012 20:56	JE
Surr: Dibromofluoromethane	98.3	71.8-135		%REC	164607	1	08/02/2012 20:56	JE
Surr: Toluene-d8	98.3	77.1-117		%REC	164607	1	08/02/2012 20:56	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
3,4-Methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Acenaphthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Acenaphthylene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Carbazole	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Chrysene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Dibenzofuran	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:20:00 AM
Lab ID:	1207J12-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Naphthalene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Phenanthrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Phenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Surr: 4-Terphenyl-d14	64.3	50.1-123		%REC	164540	1	08/03/2012 13:56	YH
Surr: Nitrobenzene-d5	39.1	37.5-120		%REC	164540	1	08/03/2012 13:56	YH
Surr: Phenol-d5	41.3	39-120		%REC	164540	1	08/03/2012 13:56	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Barium	31.4	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Cadmium	BRL	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Chromium	218	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Cobalt	8.77	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Copper	46.7	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Lead	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Nickel	25.3	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Selenium	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Vanadium	95.2	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Zinc	30.8	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1@2-3
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:11:00 PM
Lab ID:	1207J12-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Acetone	300	200		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
2-Butanone	BRL	100		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,1,1-Trichloroethane	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Benzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,2-Dichloroethane	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Trichloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Toluene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Tetrachloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Ethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
m,p-Xylene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
o-Xylene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Styrene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,3,5-Trimethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,2,4-Trimethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Surr: 4-Bromofluorobenzene	90.5	56.5-134		%REC	164657	1	08/02/2012 06:30	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164657	1	08/02/2012 06:30	JE
Surr: Toluene-d8	97.9	77.1-117		%REC	164657	1	08/02/2012 06:30	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4,6-Trichlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4-Dimethylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4-Dinitrophenol	BRL	17000		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Chlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Methylnaphthalene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
3,4-Methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
4-Chloro-3-methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Acenaphthene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Acenaphthylene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Anthracene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benz(a)anthracene	12000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(a)pyrene	19000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(b)fluoranthene	28000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(k)fluoranthene	31000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Carbazole	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Chrysene	18000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Dibenz(a,h)anthracene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Dibenzofuran	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Fluoranthene	15000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1@2-3
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:11:00 PM
Lab ID:	1207J12-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Indeno(1,2,3-cd)pyrene	8800	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Naphthalene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Pentachlorophenol	BRL	17000		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Phenanthrene	4300	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Phenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Pyrene	12000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Surr: 4-Terphenyl-d14	69	50.1-123		%REC	164540	5	08/03/2012 15:16	YH
Surr: Nitrobenzene-d5	44.7	37.5-120		%REC	164540	5	08/03/2012 15:16	YH
Surr: Phenol-d5	46.6	39-120		%REC	164540	5	08/03/2012 15:16	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	25.9	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Barium	157	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Cadmium	BRL	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Chromium	610	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Cobalt	9.54	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Copper	179	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Lead	64.0	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Nickel	22.2	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Selenium	BRL	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Vanadium	154	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Zinc	3780	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
PERCENT MOISTURE D2216								
Percent Moisture	48.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@1-2'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:45:00 PM
Lab ID:	1207J12-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Acetone	BRL	670000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
2-Butanone	BRL	330000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,1,1-Trichloroethane	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Benzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,2-Dichloroethane	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Trichloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Toluene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Tetrachloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Ethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
m,p-Xylene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
o-Xylene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Styrene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,3,5-Trimethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,2,4-Trimethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Surr: 4-Bromofluorobenzene	94.5	56.5-134		%REC	164752	5000	08/06/2012 17:12	NP
Surr: Dibromofluoromethane	109	71.8-135		%REC	164752	5000	08/06/2012 17:12	NP
Surr: Toluene-d8	90.7	77.1-117		%REC	164752	5000	08/06/2012 17:12	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	26000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2-Methylnaphthalene	180000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Acenaphthene	110000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Acenaphthylene	3700	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Anthracene	300000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benz(a)anthracene	70000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benzo(a)pyrene	18000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Benzo(b)fluoranthene	62000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benzo(k)fluoranthene	14000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Carbazole	150000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Chrysene	78000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Dibenzofuran	180000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Fluoranthene	440000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@1-2'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:45:00 PM
Lab ID:	1207J12-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	91000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Indeno(1,2,3-cd)pyrene	8000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Naphthalene	380000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Pentachlorophenol	BRL	1100000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Phenanthrene	740000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Phenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Pyrene	250000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Surr: 4-Terphenyl-d14	0	50.1-123	S	%REC	164540	5	08/03/2012 16:36	YH
Surr: Nitrobenzene-d5	56.7	37.5-120		%REC	164540	5	08/03/2012 16:36	YH
Surr: Phenol-d5	36.9	39-120	S	%REC	164540	5	08/03/2012 16:36	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	65.8	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Barium	101	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Cadmium	BRL	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Chromium	228	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Cobalt	7.17	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Copper	60.5	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Lead	35.3	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Nickel	12.9	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Selenium	BRL	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Vanadium	125	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Zinc	1060	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:51:00 PM
Lab ID:	1207J12-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Acetone	BRL	79		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
2-Butanone	BRL	40		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Benzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Toluene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Ethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
m,p-Xylene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
o-Xylene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Styrene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,3,5-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,2,4-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	164657	1	08/02/2012 06:55	JE
Surr: Dibromofluoromethane	111	71.8-135		%REC	164657	1	08/02/2012 06:55	JE
Surr: Toluene-d8	98.9	77.1-117		%REC	164657	1	08/02/2012 06:55	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	2800	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4,6-Trichlorophenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4-Dimethylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4-Dinitrophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Chlorophenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Methylnaphthalene	10000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
3,4-Methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
4-Chloro-3-methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Acenaphthene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Acenaphthylene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Anthracene	74000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Benz(a)anthracene	7400	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(a)pyrene	3100	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(b)fluoranthene	6500	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(k)fluoranthene	2800	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Carbazole	17000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Chrysene	12000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Dibenz(a,h)anthracene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Dibenzofuran	11000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Fluoranthene	44000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:51:00 PM
Lab ID:	1207J12-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	6100	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Indeno(1,2,3-cd)pyrene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Naphthalene	4500	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Pentachlorophenol	120000	100000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Phenanthrene	63000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Phenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Pyrene	23000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Surr: 4-Terphenyl-d14	48.6	50.1-123	S	%REC	164540	5	08/03/2012 17:02	YH
Surr: Nitrobenzene-d5	33.4	37.5-120	S	%REC	164540	5	08/03/2012 17:02	YH
Surr: Phenol-d5	33.4	39-120	S	%REC	164540	5	08/03/2012 17:02	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	115	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Barium	70.9	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Cadmium	BRL	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Chromium	353	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Cobalt	6.50	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Copper	58.1	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Lead	26.0	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Nickel	14.4	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Selenium	BRL	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Vanadium	141	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Zinc	2230	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
PERCENT MOISTURE D2216								
Percent Moisture	14.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:22:00 PM
Lab ID:	1207J12-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Acetone	290	92		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
2-Butanone	BRL	46		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Benzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Toluene	8.4	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Ethylbenzene	44	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
m,p-Xylene	75	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
o-Xylene	52	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Styrene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,3,5-Trimethylbenzene	130	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,2,4-Trimethylbenzene	3400	250		ug/Kg-dry	164752	50	08/04/2012 07:24	NP
Surr: 4-Bromofluorobenzene	94.2	56.5-134		%REC	164752	50	08/04/2012 07:24	NP
Surr: 4-Bromofluorobenzene	98.9	56.5-134		%REC	164607	1	08/02/2012 07:20	JE
Surr: Dibromofluoromethane	90.9	71.8-135		%REC	164752	50	08/04/2012 07:24	NP
Surr: Dibromofluoromethane	106	71.8-135		%REC	164607	1	08/02/2012 07:20	JE
Surr: Toluene-d8	95.1	77.1-117		%REC	164752	50	08/04/2012 07:24	NP
Surr: Toluene-d8	96	77.1-117		%REC	164607	1	08/02/2012 07:20	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	23000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2-Methylnaphthalene	38000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Acenaphthene	53000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Acenaphthylene	2800	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Anthracene	95000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Benz(a)anthracene	26000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(a)pyrene	12000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(b)fluoranthene	21000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(k)fluoranthene	6400	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Carbazole	33000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Chrysene	30000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:22:00 PM
Lab ID:	1207J12-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Dibenzofuran	39000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Fluoranthene	120000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Fluorene	57000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Indeno(1,2,3-cd)pyrene	4800	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Naphthalene	63000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Pentachlorophenol	BRL	1100000		ug/Kg-dry	164540	500	08/06/2012 14:14	YH
Phenanthrene	160000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Phenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Pyrene	68000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Surr: 4-Terphenyl-d14	78.5	50.1-123		%REC	164540	5	08/03/2012 17:41	YH
Surr: Nitrobenzene-d5	56.7	37.5-120		%REC	164540	5	08/03/2012 17:41	YH
Surr: Phenol-d5	52.8	39-120		%REC	164540	5	08/03/2012 17:41	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	103	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Barium	73.6	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Cadmium	BRL	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Chromium	550	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Cobalt	6.15	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Copper	57.3	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Lead	46.9	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Nickel	10.5	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Selenium	BRL	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Vanadium	104	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Zinc	1730	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:00:00 PM
Lab ID:	1207J12-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Acetone	BRL	100		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
2-Butanone	BRL	52		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,1,1-Trichloroethane	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Benzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,2-Dichloroethane	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Trichloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Toluene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Tetrachloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Ethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
m,p-Xylene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
o-Xylene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Styrene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,3,5-Trimethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,2,4-Trimethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164607	1	08/02/2012 21:46	JE
Surr: Dibromofluoromethane	99.2	71.8-135		%REC	164607	1	08/02/2012 21:46	JE
Surr: Toluene-d8	96.1	77.1-117		%REC	164607	1	08/02/2012 21:46	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Acenaphthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Carbazole	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Chrysene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:00:00 PM
Lab ID:	1207J12-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Naphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Phenanthrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Phenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Surr: 4-Terphenyl-d14	54.4	50.1-123		%REC	164540	1	08/03/2012 10:58	YH
Surr: Nitrobenzene-d5	46.5	37.5-120		%REC	164540	1	08/03/2012 10:58	YH
Surr: Phenol-d5	46.6	39-120		%REC	164540	1	08/03/2012 10:58	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Barium	57.4	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Cadmium	BRL	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Chromium	83.1	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Cobalt	11.5	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Copper	83.5	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Lead	9.73	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Nickel	8.74	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Selenium	BRL	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Vanadium	112	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Zinc	50.9	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:40:00 PM
Lab ID:	1207J12-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Acetone	BRL	97		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
2-Butanone	BRL	48		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,1,1-Trichloroethane	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Benzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,2-Dichloroethane	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Trichloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Toluene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Tetrachloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Ethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
m,p-Xylene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
o-Xylene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Styrene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,3,5-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,2,4-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 23:14	JE
Surr: Dibromofluoromethane	97.2	71.8-135		%REC	164775	1	08/03/2012 23:14	JE
Surr: Toluene-d8	101	77.1-117		%REC	164775	1	08/03/2012 23:14	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Acenaphthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Carbazole	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Chrysene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:40:00 PM
Lab ID:	1207J12-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Naphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Phenanthrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Surr: 4-Terphenyl-d14	85	50.1-123		%REC	164540	1	08/03/2012 11:25	YH
Surr: Nitrobenzene-d5	69.4	37.5-120		%REC	164540	1	08/03/2012 11:25	YH
Surr: Phenol-d5	66.9	39-120		%REC	164540	1	08/03/2012 11:25	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Barium	11.3	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Cadmium	BRL	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Chromium	48.0	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Cobalt	3.55	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Copper	28.7	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Lead	14.1	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Nickel	8.43	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Selenium	BRL	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Vanadium	124	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Zinc	48.4	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:45:00 PM
Lab ID:	1207J12-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Acetone	BRL	110		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
2-Butanone	BRL	53		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Benzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Trichloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Toluene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Tetrachloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Ethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
m,p-Xylene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
o-Xylene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Styrene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,3,5-Trimethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,2,4-Trimethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164607	1	08/02/2012 22:37	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164607	1	08/02/2012 22:37	JE
Surr: Toluene-d8	97.2	77.1-117		%REC	164607	1	08/02/2012 22:37	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Chlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Methylnaphthalene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
3,4-Methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Acenaphthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Acenaphthylene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benz(a)anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(a)pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Carbazole	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Chrysene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Dibenzofuran	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:45:00 PM
Lab ID:	1207J12-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Naphthalene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Phenanthrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Phenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Surr: 4-Terphenyl-d14	72.4	50.1-123		%REC	164540	1	08/03/2012 11:52	YH
Surr: Nitrobenzene-d5	55.6	37.5-120		%REC	164540	1	08/03/2012 11:52	YH
Surr: Phenol-d5	56.8	39-120		%REC	164540	1	08/03/2012 11:52	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Barium	38.3	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Cadmium	BRL	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Chromium	25.6	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Cobalt	6.73	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Copper	31.2	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Lead	16.9	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Nickel	17.1	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Selenium	BRL	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Vanadium	67.9	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Zinc	28.8	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
PERCENT MOISTURE D2216								
Percent Moisture	28.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:15:00 PM
Lab ID:	1207J12-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Acetone	BRL	99		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
2-Butanone	BRL	49		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,1,1-Trichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Benzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,2-Dichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Trichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Toluene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Tetrachloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Ethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
m,p-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
o-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Styrene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,3,5-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,2,4-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164607	1	08/02/2012 23:03	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164607	1	08/02/2012 23:03	JE
Surr: Toluene-d8	96.5	77.1-117		%REC	164607	1	08/02/2012 23:03	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1200	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Acenaphthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Carbazole	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Chrysene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:15:00 PM
Lab ID:	1207J12-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Naphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Phenanthrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Surr: 4-Terphenyl-d14	79.3	50.1-123		%REC	164540	1	08/03/2012 12:20	YH
Surr: Nitrobenzene-d5	62	37.5-120		%REC	164540	1	08/03/2012 12:20	YH
Surr: Phenol-d5	64.4	39-120		%REC	164540	1	08/03/2012 12:20	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Barium	20.2	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Cadmium	BRL	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Chromium	47.1	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Cobalt	4.25	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Copper	34.8	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Lead	13.5	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Nickel	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Selenium	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Vanadium	138	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Zinc	20.5	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:25:00 PM
Lab ID:	1207J12-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Acetone	BRL	120		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
2-Butanone	BRL	61		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Benzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Trichloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Toluene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Tetrachloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Ethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
m,p-Xylene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
o-Xylene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Styrene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,3,5-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,2,4-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Surr: 4-Bromofluorobenzene	101	56.5-134		%REC	164607	1	08/02/2012 23:28	JE
Surr: Dibromofluoromethane	97.8	71.8-135		%REC	164607	1	08/02/2012 23:28	JE
Surr: Toluene-d8	96.2	77.1-117		%REC	164607	1	08/02/2012 23:28	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4,6-Trichlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4-Dimethylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Chlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Methylnaphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
3,4-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
4-Chloro-3-methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Acenaphthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Acenaphthylene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benz(a)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(a)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(b)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(k)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Carbazole	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Chrysene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Dibenz(a,h)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Dibenzofuran	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:25:00 PM
Lab ID:	1207J12-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Indeno(1,2,3-cd)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Naphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Phenanthrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Phenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Surr: 4-Terphenyl-d14	85.1	50.1-123		%REC	164540	1	08/03/2012 16:54	YH
Surr: Nitrobenzene-d5	69.7	37.5-120		%REC	164540	1	08/03/2012 16:54	YH
Surr: Phenol-d5	69.4	39-120		%REC	164540	1	08/03/2012 16:54	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Barium	210	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Cadmium	BRL	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Chromium	74.4	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Cobalt	10.6	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Copper	92.9	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Lead	38.7	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Nickel	22.6	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Selenium	BRL	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Vanadium	127	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Zinc	74.0	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
PERCENT MOISTURE D2216								
Percent Moisture	29.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:45:00 PM
Lab ID:	1207J12-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Acetone	BRL	4900		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
2-Butanone	BRL	2500		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,1,1-Trichloroethane	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Benzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,2-Dichloroethane	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Trichloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Toluene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Tetrachloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Ethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
m,p-Xylene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
o-Xylene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Styrene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,3,5-Trimethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,2,4-Trimethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Surr: 4-Bromofluorobenzene	97.6	56.5-134		%REC	164775	50	08/06/2012 19:08	NP
Surr: Dibromofluoromethane	108	71.8-135		%REC	164775	50	08/06/2012 19:08	NP
Surr: Toluene-d8	91.7	77.1-117		%REC	164775	50	08/06/2012 19:08	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Acenaphthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Carbazole	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Chrysene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:45:00 PM
Lab ID:	1207J12-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Naphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Phenanthrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Phenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Surr: 4-Terphenyl-d14	85.6	50.1-123		%REC	164540	1	08/03/2012 19:08	YH
Surr: Nitrobenzene-d5	69.2	37.5-120		%REC	164540	1	08/03/2012 19:08	YH
Surr: Phenol-d5	70.6	39-120		%REC	164540	1	08/03/2012 19:08	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Barium	85.7	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Cadmium	BRL	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Chromium	99.1	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Cobalt	7.62	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Copper	45.5	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Lead	32.8	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Nickel	9.71	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Selenium	BRL	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Vanadium	92.3	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Zinc	121	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:55:00 PM
Lab ID:	1207J12-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Acetone	120	98		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
2-Butanone	BRL	49		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,1,1-Trichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Benzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,2-Dichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Trichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Toluene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Tetrachloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Ethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
m,p-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
o-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Styrene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,3,5-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,2,4-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Surr: 4-Bromofluorobenzene	99.6	56.5-134		%REC	164607	1	08/03/2012 00:18	JE
Surr: Dibromofluoromethane	98.9	71.8-135		%REC	164607	1	08/03/2012 00:18	JE
Surr: Toluene-d8	96.6	77.1-117		%REC	164607	1	08/03/2012 00:18	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Acenaphthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Carbazole	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Chrysene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:55:00 PM
Lab ID:	1207J12-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Naphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Phenanthrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Phenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Surr: 4-Terphenyl-d14	70.9	50.1-123		%REC	164540	1	08/03/2012 19:35	YH
Surr: Nitrobenzene-d5	56.3	37.5-120		%REC	164540	1	08/03/2012 19:35	YH
Surr: Phenol-d5	54.6	39-120		%REC	164540	1	08/03/2012 19:35	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Barium	101	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Cadmium	BRL	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Chromium	68.9	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Cobalt	10.9	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Copper	87.5	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Lead	26.3	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Nickel	17.3	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Selenium	BRL	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Vanadium	170	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Zinc	71.6	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-13@31-32
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 10:04:00 AM
Lab ID:	1207J12-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Acetone	BRL	73		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
2-Butanone	BRL	36		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Benzene	5.6	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Trichloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Toluene	5.3	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Tetrachloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Ethylbenzene	22	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
m,p-Xylene	39	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
o-Xylene	21	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Styrene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,3,5-Trimethylbenzene	59	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,2,4-Trimethylbenzene	130	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Surr: 4-Bromofluorobenzene	98	56.5-134		%REC	164607	1	08/03/2012 00:44	JE
Surr: Dibromofluoromethane	106	71.8-135		%REC	164607	1	08/03/2012 00:44	JE
Surr: Toluene-d8	98.9	77.1-117		%REC	164607	1	08/03/2012 00:44	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4,6-Trichlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4-Dimethylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4-Dinitrophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2-Chlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2-Methylnaphthalene	180000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
2-Methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
3,4-Methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
4-Chloro-3-methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Acenaphthene	200000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Acenaphthylene	3000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Anthracene	160000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benz(a)anthracene	50000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benzo(a)pyrene	21000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Benzo(b)fluoranthene	26000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benzo(k)fluoranthene	11000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Carbazole	70000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Chrysene	49000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Dibenz(a,h)anthracene	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Dibenzofuran	170000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Fluoranthene	290000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-13@31-32
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 10:04:00 AM
Lab ID:	1207J12-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	230000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Indeno(1,2,3-cd)pyrene	5200	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Naphthalene	470000	200000		ug/Kg-dry	164540	500	08/06/2012 18:01	YH
Pentachlorophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Phenanthrene	750000	200000		ug/Kg-dry	164540	500	08/06/2012 18:01	YH
Phenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Pyrene	160000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Surr: 4-Terphenyl-d14	98.4	50.1-123		%REC	164540	5	08/03/2012 19:22	YH
Surr: Nitrobenzene-d5	80.5	37.5-120		%REC	164540	5	08/03/2012 19:22	YH
Surr: Phenol-d5	62.8	39-120		%REC	164540	5	08/03/2012 19:22	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	15.4	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Barium	46.9	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Cadmium	BRL	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Chromium	74.8	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Cobalt	6.64	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Copper	19.2	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Lead	65.8	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Nickel	7.65	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Selenium	BRL	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Vanadium	29.1	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Zinc	250	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-15@7-8
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 11:11:00 AM
Lab ID:	1207J12-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Acetone	BRL	94		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
2-Butanone	BRL	47		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,1,1-Trichloroethane	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Benzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,2-Dichloroethane	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Trichloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Toluene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Tetrachloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Ethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
m,p-Xylene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
o-Xylene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Styrene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,3,5-Trimethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,2,4-Trimethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 23:39	JE
Surr: Dibromofluoromethane	96.9	71.8-135		%REC	164775	1	08/03/2012 23:39	JE
Surr: Toluene-d8	99.7	77.1-117		%REC	164775	1	08/03/2012 23:39	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4,6-Trichlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4-Dimethylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Chlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Methylnaphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
3,4-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
4-Chloro-3-methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Acenaphthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Acenaphthylene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benz(a)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(a)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(b)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(k)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Carbazole	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Chrysene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Dibenz(a,h)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Dibenzofuran	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-15@7-8
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 11:11:00 AM
Lab ID:	1207J12-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Indeno(1,2,3-cd)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Naphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Phenanthrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Phenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Surr: 4-Terphenyl-d14	76.3	50.1-123		%REC	164540	1	08/03/2012 19:48	YH
Surr: Nitrobenzene-d5	52.5	37.5-120		%REC	164540	1	08/03/2012 19:48	YH
Surr: Phenol-d5	52.4	39-120		%REC	164540	1	08/03/2012 19:48	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Barium	225	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Cadmium	BRL	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Chromium	60.8	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Cobalt	14.1	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Copper	34.3	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Lead	19.8	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Nickel	25.0	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Selenium	BRL	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Vanadium	62.6	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Zinc	84.3	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
PERCENT MOISTURE D2216								
Percent Moisture	29.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-14@32-33'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 12:15:00 PM
Lab ID:	1207J12-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Acetone	BRL	80		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
2-Butanone	BRL	40		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Benzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Toluene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Ethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
m,p-Xylene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
o-Xylene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Styrene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,3,5-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,2,4-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164607	1	08/03/2012 01:34	JE
Surr: Dibromofluoromethane	97.5	71.8-135		%REC	164607	1	08/03/2012 01:34	JE
Surr: Toluene-d8	94.3	77.1-117		%REC	164607	1	08/03/2012 01:34	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Acenaphthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Carbazole	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Chrysene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-14@32-33'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 12:15:00 PM
Lab ID:	1207J12-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Naphthalene	4000	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Phenanthrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Phenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Surr: 4-Terphenyl-d14	93.9	50.1-123		%REC	164540	1	08/03/2012 14:23	YH
Surr: Nitrobenzene-d5	60	37.5-120		%REC	164540	1	08/03/2012 14:23	YH
Surr: Phenol-d5	59.3	39-120		%REC	164540	1	08/03/2012 14:23	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Barium	97.7	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Cadmium	BRL	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Chromium	39.9	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Cobalt	4.60	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Copper	29.8	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Lead	7.73	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Nickel	10.9	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Selenium	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Vanadium	33.7	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Zinc	60.5	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@8-9
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:35:00 PM
Lab ID:	1207J12-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Acetone	BRL	79		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
2-Butanone	BRL	39		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Benzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Trichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Toluene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Tetrachloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Ethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
m,p-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
o-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Styrene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,3,5-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,2,4-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164775	1	08/03/2012 14:09	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164775	1	08/03/2012 14:09	JE
Surr: Toluene-d8	94.2	77.1-117		%REC	164775	1	08/03/2012 14:09	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4,6-Trichlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4-Dimethylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Chlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Methylnaphthalene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
3,4-Methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
4-Chloro-3-methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Acenaphthene	1200	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Acenaphthylene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benz(a)anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(a)pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Carbazole	490	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Chrysene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Dibenzofuran	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@8-9
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:35:00 PM
Lab ID:	1207J12-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	630	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Naphthalene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Phenanthrene	460	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Phenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Surr: 4-Terphenyl-d14	87	50.1-123		%REC	164540	1	08/03/2012 14:49	YH
Surr: Nitrobenzene-d5	61	37.5-120		%REC	164540	1	08/03/2012 14:49	YH
Surr: Phenol-d5	60.3	39-120		%REC	164540	1	08/03/2012 14:49	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Barium	45.5	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Cadmium	BRL	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Chromium	52.5	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Cobalt	7.03	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Copper	17.5	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Lead	11.0	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Nickel	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Selenium	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Vanadium	49.0	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Zinc	14.1	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
PERCENT MOISTURE D2216								
Percent Moisture	25.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:25:00 PM
Lab ID:	1207J12-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Acetone	BRL	78		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
2-Butanone	BRL	39		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Benzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Trichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Toluene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Tetrachloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Ethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
m,p-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
o-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Styrene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,3,5-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,2,4-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164775	1	08/03/2012 14:34	JE
Surr: Dibromofluoromethane	101	71.8-135		%REC	164775	1	08/03/2012 14:34	JE
Surr: Toluene-d8	94	77.1-117		%REC	164775	1	08/03/2012 14:34	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Acenaphthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Carbazole	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Chrysene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:25:00 PM
Lab ID:	1207J12-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Naphthalene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Phenanthrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Phenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Surr: 4-Terphenyl-d14	68.7	50.1-123		%REC	164540	1	08/03/2012 15:43	YH
Surr: Nitrobenzene-d5	47.5	37.5-120		%REC	164540	1	08/03/2012 15:43	YH
Surr: Phenol-d5	47.9	39-120		%REC	164540	1	08/03/2012 15:43	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Barium	29.5	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Cadmium	BRL	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Chromium	147	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Cobalt	5.77	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Copper	41.1	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Lead	17.3	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Nickel	20.0	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Selenium	BRL	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Vanadium	182	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Zinc	21.0	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 8-1@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 3:00:00 PM
Lab ID:	1207J12-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Acetone	BRL	84		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
2-Butanone	BRL	42		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Benzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Trichloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Toluene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Tetrachloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Ethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
m,p-Xylene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
o-Xylene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Styrene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,3,5-Trimethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,2,4-Trimethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 15:00	JE
Surr: Dibromofluoromethane	98.4	71.8-135		%REC	164775	1	08/03/2012 15:00	JE
Surr: Toluene-d8	95.6	77.1-117		%REC	164775	1	08/03/2012 15:00	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Acenaphthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Acenaphthylene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Carbazole	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Chrysene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Dibenzofuran	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 8-1@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 3:00:00 PM
Lab ID:	1207J12-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Naphthalene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Phenanthrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Phenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Surr: 4-Terphenyl-d14	60.5	50.1-123		%REC	164540	1	08/03/2012 16:09	YH
Surr: Nitrobenzene-d5	42.5	37.5-120		%REC	164540	1	08/03/2012 16:09	YH
Surr: Phenol-d5	43.9	39-120		%REC	164540	1	08/03/2012 16:09	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Barium	33.2	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Cadmium	BRL	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Chromium	68.2	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Cobalt	4.55	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Copper	39.5	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Lead	22.9	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Nickel	9.36	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Selenium	BRL	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Vanadium	165	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Zinc	20.4	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:10:00 PM
Lab ID:	1207J12-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Acetone	110	76		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
2-Butanone	BRL	38		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Benzene	8.9	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Trichloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Toluene	65	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Tetrachloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Ethylbenzene	120	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
m,p-Xylene	2100	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
o-Xylene	1100	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
Styrene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,3,5-Trimethylbenzene	2300	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
1,2,4-Trimethylbenzene	5700	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164752	50	08/04/2012 05:00	NP
Surr: 4-Bromofluorobenzene	120	56.5-134		%REC	164607	1	08/03/2012 03:14	JE
Surr: Dibromofluoromethane	94.6	71.8-135		%REC	164752	50	08/04/2012 05:00	NP
Surr: Dibromofluoromethane	98.4	71.8-135		%REC	164607	1	08/03/2012 03:14	JE
Surr: Toluene-d8	99.5	77.1-117		%REC	164752	50	08/04/2012 05:00	NP
Surr: Toluene-d8	102	77.1-117		%REC	164607	1	08/03/2012 03:14	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	22000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4,6-Trichlorophenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4-Dimethylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4-Dinitrophenol	BRL	22000		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Chlorophenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Methylnaphthalene	68000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
3,4-Methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
4-Chloro-3-methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Acenaphthene	59000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Acenaphthylene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Anthracene	36000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benz(a)anthracene	12000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(a)pyrene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(b)fluoranthene	5700	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(k)fluoranthene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Carbazole	14000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Chrysene	13000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:10:00 PM
Lab ID:	1207J12-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Dibenzofuran	49000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Fluoranthene	88000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Fluorene	62000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Indeno(1,2,3-cd)pyrene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Naphthalene	110000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Pentachlorophenol	560000	220000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Phenanthrene	150000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Phenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Pyrene	49000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Surr: 4-Terphenyl-d14	91.8	50.1-123		%REC	164540	10	08/06/2012 16:56	YH
Surr: Nitrobenzene-d5	65.8	37.5-120		%REC	164540	10	08/06/2012 16:56	YH
Surr: Phenol-d5	57.1	39-120		%REC	164540	10	08/06/2012 16:56	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Barium	97.8	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Cadmium	BRL	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Chromium	68.1	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Cobalt	12.4	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Copper	53.6	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Lead	81.9	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Nickel	14.0	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Selenium	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Vanadium	83.2	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Zinc	401	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@19-20'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:20:00 PM
Lab ID:	1207J12-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Acetone	160	68		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
2-Butanone	BRL	34		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Benzene	17	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Trichloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Toluene	600	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
Tetrachloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Ethylbenzene	1000	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
m,p-Xylene	3500	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
o-Xylene	1700	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
Styrene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,3,5-Trimethylbenzene	3500	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
1,2,4-Trimethylbenzene	5800	2000		ug/Kg-dry	164752	500	08/03/2012 21:47	NP
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164752	500	08/03/2012 21:47	NP
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164752	50	08/04/2012 04:31	NP
Surr: 4-Bromofluorobenzene	92.2	56.5-134		%REC	164694	1	08/02/2012 23:05	JE
Surr: Dibromofluoromethane	97.4	71.8-135		%REC	164752	50	08/04/2012 04:31	NP
Surr: Dibromofluoromethane	104	71.8-135		%REC	164752	500	08/03/2012 21:47	NP
Surr: Dibromofluoromethane	94.5	71.8-135		%REC	164694	1	08/02/2012 23:05	JE
Surr: Toluene-d8	91.5	77.1-117		%REC	164752	500	08/03/2012 21:47	NP
Surr: Toluene-d8	99.8	77.1-117		%REC	164752	50	08/04/2012 04:31	NP
Surr: Toluene-d8	97	77.1-117		%REC	164694	1	08/02/2012 23:05	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1600	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2-Methylnaphthalene	14000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Acenaphthene	9800	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Anthracene	6200	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benz(a)anthracene	1800	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benzo(b)fluoranthene	610	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@19-20'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:20:00 PM
Lab ID:	1207J12-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Carbazole	6100	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Chrysene	1900	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Dibenzofuran	11000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Fluoranthene	15000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Fluorene	12000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Naphthalene	27000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Pentachlorophenol	18000	8100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Phenanthrene	32000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Pyrene	8800	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Surr: 4-Terphenyl-d14	88.2	50.1-123		%REC	164540	1	08/03/2012 20:41	YH
Surr: Nitrobenzene-d5	67.4	37.5-120		%REC	164540	1	08/03/2012 20:41	YH
Surr: Phenol-d5	66.3	39-120		%REC	164540	1	08/03/2012 20:41	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Barium	36.7	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Cadmium	BRL	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Chromium	148	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Cobalt	8.81	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Copper	60.1	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Lead	15.1	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Nickel	9.27	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Selenium	BRL	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Vanadium	115	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Zinc	43.7	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-1@11.5-12.5
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:59:00 PM
Lab ID:	1207J12-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Acetone	BRL	3300		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
2-Butanone	BRL	1600		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,1,1-Trichloroethane	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Benzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,2-Dichloroethane	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Trichloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Toluene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Tetrachloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Ethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
m,p-Xylene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
o-Xylene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Styrene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,3,5-Trimethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,2,4-Trimethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Surr: 4-Bromofluorobenzene	91.8	56.5-134		%REC	164752	50	08/04/2012 03:33	NP
Surr: Dibromofluoromethane	99.4	71.8-135		%REC	164752	50	08/04/2012 03:33	NP
Surr: Toluene-d8	91.8	77.1-117		%REC	164752	50	08/04/2012 03:33	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4,6-Trichlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4-Dimethylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4-Dinitrophenol	BRL	1800		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Chlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Methylnaphthalene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
3,4-Methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
4-Chloro-3-methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Acenaphthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Acenaphthylene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benz(a)anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(a)pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(b)fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(k)fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Carbazole	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Chrysene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Dibenz(a,h)anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Dibenzofuran	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-1@11.5-12.5
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:59:00 PM
Lab ID:	1207J12-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Indeno(1,2,3-cd)pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Naphthalene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Pentachlorophenol	BRL	1800		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Phenanthrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Phenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Surr: 4-Terphenyl-d14	93.5	50.1-123		%REC	164652	1	08/06/2012 22:19	YH
Surr: Nitrobenzene-d5	72.1	37.5-120		%REC	164652	1	08/06/2012 22:19	YH
Surr: Phenol-d5	68.3	39-120		%REC	164652	1	08/06/2012 22:19	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Barium	56.7	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Cadmium	BRL	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Chromium	11.4	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Cobalt	4.36	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Copper	10.4	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Lead	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Nickel	5.34	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Selenium	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Vanadium	17.9	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Zinc	30.4	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
PERCENT MOISTURE D2216								
Percent Moisture	6.58	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-16@26-27
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:40:00 PM
Lab ID:	1207J12-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Acetone	380	110		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
2-Butanone	BRL	53		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Benzene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Trichloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Toluene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Tetrachloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Ethylbenzene	24	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
m,p-Xylene	35	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
o-Xylene	22	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Styrene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,3,5-Trimethylbenzene	97	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,2,4-Trimethylbenzene	1900	310		ug/Kg-dry	164752	50	08/04/2012 06:55	NP
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164752	50	08/04/2012 06:55	NP
Surr: 4-Bromofluorobenzene	89.4	56.5-134		%REC	164694	1	08/02/2012 23:59	JE
Surr: Dibromofluoromethane	91.5	71.8-135		%REC	164752	50	08/04/2012 06:55	NP
Surr: Dibromofluoromethane	97	71.8-135		%REC	164694	1	08/02/2012 23:59	JE
Surr: Toluene-d8	89	77.1-117		%REC	164694	1	08/02/2012 23:59	JE
Surr: Toluene-d8	92.6	77.1-117		%REC	164752	50	08/04/2012 06:55	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4,6-Trichlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4-Dimethylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4-Dinitrophenol	BRL	13000		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2-Chlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2-Methylnaphthalene	92000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
2-Methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
3,4-Methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
4-Chloro-3-methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Acenaphthene	35000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Acenaphthylene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Anthracene	23000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benz(a)anthracene	12000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(a)pyrene	2900	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(b)fluoranthene	5500	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(k)fluoranthene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Carbazole	5100	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Chrysene	11000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-16@26-27
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:40:00 PM
Lab ID:	1207J12-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Dibenzofuran	80000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Fluoranthene	130000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Fluorene	72000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Indeno(1,2,3-cd)pyrene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Naphthalene	130000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Pentachlorophenol	BRL	130000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Phenanthrene	270000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Phenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Pyrene	71000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Surr: 4-Terphenyl-d14	72.9	50.1-123		%REC	164652	5	08/03/2012 16:27	YH
Surr: Nitrobenzene-d5	59.4	37.5-120		%REC	164652	5	08/03/2012 16:27	YH
Surr: Phenol-d5	58.5	39-120		%REC	164652	5	08/03/2012 16:27	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Barium	204	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Cadmium	BRL	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Chromium	52.6	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Cobalt	753	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Copper	84.6	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Lead	14.7	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Nickel	49.2	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Selenium	BRL	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Vanadium	77.0	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Zinc	167	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	33.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-20@28-29
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:00:00 PM
Lab ID:	1207J12-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Acetone	BRL	430000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
2-Butanone	BRL	210000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,1,1-Trichloroethane	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Benzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,2-Dichloroethane	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Trichloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Toluene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Tetrachloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Ethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
m,p-Xylene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
o-Xylene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Styrene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,3,5-Trimethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,2,4-Trimethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164752	5000	08/04/2012 02:06	NP
Surr: Dibromofluoromethane	99.9	71.8-135		%REC	164752	5000	08/04/2012 02:06	NP
Surr: Toluene-d8	90.9	77.1-117		%REC	164752	5000	08/04/2012 02:06	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4-Dimethylphenol	4800	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2-Methylnaphthalene	240000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Acenaphthene	250000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Acenaphthylene	7000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Anthracene	93000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Benz(a)anthracene	56000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Benzo(a)pyrene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Benzo(b)fluoranthene	31000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Benzo(k)fluoranthene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Carbazole	63000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Chrysene	55000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Dibenzofuran	170000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Fluoranthene	330000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-20@28-29
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:00:00 PM
Lab ID:	1207J12-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	220000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Indeno(1,2,3-cd)pyrene	4200	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Naphthalene	840000	210000		ug/Kg-dry	164652	500	08/06/2012 18:29	YH
Pentachlorophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Phenanthrene	620000	210000		ug/Kg-dry	164652	500	08/06/2012 18:29	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Pyrene	190000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Surr: 4-Terphenyl-d14	71.1	50.1-123		%REC	164652	5	08/03/2012 15:40	YH
Surr: Nitrobenzene-d5	52	37.5-120		%REC	164652	5	08/03/2012 15:40	YH
Surr: Phenol-d5	40.2	39-120		%REC	164652	5	08/03/2012 15:40	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Barium	43.7	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Cadmium	BRL	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Chromium	60.9	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Cobalt	7.49	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Copper	10.9	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Lead	13.5	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Nickel	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Selenium	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Vanadium	19.5	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Zinc	550	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.1	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@11-12
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:15:00 PM
Lab ID:	1207J12-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Acetone	BRL	48000		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
2-Butanone	BRL	24000		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,1,1-Trichloroethane	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Benzene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,2-Dichloroethane	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Trichloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Toluene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Tetrachloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Ethylbenzene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
m,p-Xylene	4400	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
o-Xylene	2700	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Styrene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,3,5-Trimethylbenzene	5500	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,2,4-Trimethylbenzene	13000	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Surr: 4-Bromofluorobenzene	113	56.5-134		%REC	164752	500	08/03/2012 22:44	NP
Surr: Dibromofluoromethane	104	71.8-135		%REC	164752	500	08/03/2012 22:44	NP
Surr: Toluene-d8	93.9	77.1-117		%REC	164752	500	08/03/2012 22:44	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	16000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4,6-Trichlorophenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4-Dimethylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2-Chlorophenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2-Methylnaphthalene	300000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
2-Methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
3,4-Methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
4-Chloro-3-methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Acenaphthene	260000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Acenaphthylene	7500	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Anthracene	120000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Benz(a)anthracene	32000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(a)pyrene	8900	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(b)fluoranthene	19000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(k)fluoranthene	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Carbazole	69000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Chrysene	29000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Dibenz(a,h)anthracene	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Dibenzofuran	200000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Fluoranthene	260000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@11-12
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:15:00 PM
Lab ID:	1207J12-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	250000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Indeno(1,2,3-cd)pyrene	2400	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Naphthalene	900000	220000		ug/Kg-dry	164652	500	08/06/2012 18:56	YH
Pentachlorophenol	280000	110000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Phenanthrene	620000	220000		ug/Kg-dry	164652	500	08/06/2012 18:56	YH
Phenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Pyrene	150000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Surr: 4-Terphenyl-d14	79.8	50.1-123		%REC	164652	5	08/03/2012 16:07	YH
Surr: Nitrobenzene-d5	68.2	37.5-120		%REC	164652	5	08/03/2012 16:07	YH
Surr: Phenol-d5	49.5	39-120		%REC	164652	5	08/03/2012 16:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	166	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Barium	40.4	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Cadmium	BRL	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Chromium	181	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Cobalt	11.1	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Copper	43.3	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Lead	29.5	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Nickel	11.1	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Selenium	BRL	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Vanadium	68.6	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Zinc	567	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
PERCENT MOISTURE D2216								
Percent Moisture	25.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@27-28
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:20:00 PM
Lab ID:	1207J12-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Acetone	BRL	53000		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
2-Butanone	BRL	26000		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,1,1-Trichloroethane	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Benzene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,2-Dichloroethane	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Trichloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Toluene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Tetrachloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Ethylbenzene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
m,p-Xylene	5700	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
o-Xylene	2800	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Styrene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,3,5-Trimethylbenzene	5100	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,2,4-Trimethylbenzene	11000	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Surr: 4-Bromofluorobenzene	115	56.5-134		%REC	164752	500	08/03/2012 22:16	NP
Surr: Dibromofluoromethane	102	71.8-135		%REC	164752	500	08/03/2012 22:16	NP
Surr: Toluene-d8	92	77.1-117		%REC	164752	500	08/03/2012 22:16	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1900	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4,6-Trichlorophenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4-Dimethylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4-Dinitrophenol	BRL	2500		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2-Chlorophenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2-Methylnaphthalene	280000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
2-Methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
3,4-Methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
4-Chloro-3-methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Acenaphthene	150000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Acenaphthylene	2600	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Anthracene	48000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Benz(a)anthracene	13000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Benzo(a)pyrene	3100	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Benzo(b)fluoranthene	4600	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Benzo(k)fluoranthene	1800	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Carbazole	24000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Chrysene	13000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Dibenz(a,h)anthracene	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Dibenzofuran	120000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Fluoranthene	100000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@27-28
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:20:00 PM
Lab ID:	1207J12-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	120000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Indeno(1,2,3-cd)pyrene	710	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Naphthalene	1000000	490000		ug/Kg-dry	164652	1000	08/07/2012 17:02	YH
Pentachlorophenol	BRL	25000		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Phenanthrene	270000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Phenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Pyrene	53000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Surr: 4-Terphenyl-d14	88.8	50.1-123		%REC	164652	1	08/03/2012 21:07	YH
Surr: Nitrobenzene-d5	144	37.5-120	S	%REC	164652	1	08/03/2012 21:07	YH
Surr: Phenol-d5	59.7	39-120		%REC	164652	1	08/03/2012 21:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Barium	186	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Cadmium	BRL	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Chromium	66.4	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Cobalt	14.3	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Copper	54.2	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Lead	13.7	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Nickel	39.0	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Selenium	BRL	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Vanadium	104	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Zinc	161	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
PERCENT MOISTURE D2216								
Percent Moisture	32.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 8:55:00 AM
Lab ID:	1207J12-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Acetone	BRL	45000		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
2-Butanone	BRL	22000		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,1,1-Trichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Benzene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,2-Dichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Trichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Toluene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Tetrachloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Ethylbenzene	2700	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
m,p-Xylene	8200	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
o-Xylene	3700	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Styrene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,3,5-Trimethylbenzene	7600	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,2,4-Trimethylbenzene	18000	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164752	500	08/04/2012 05:29	NP
Surr: Dibromofluoromethane	93.7	71.8-135		%REC	164752	500	08/04/2012 05:29	NP
Surr: Toluene-d8	95.2	77.1-117		%REC	164752	500	08/04/2012 05:29	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	19000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2-Methylnaphthalene	1400000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Acenaphthene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Acenaphthylene	13000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Anthracene	1100000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Benz(a)anthracene	170000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(a)pyrene	52000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(b)fluoranthene	72000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(k)fluoranthene	10000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Carbazole	530000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Chrysene	170000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Dibenzofuran	980000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Fluoranthene	1500000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 8:55:00 AM
Lab ID:	1207J12-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Indeno(1,2,3-cd)pyrene	7300	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Naphthalene	3800000	2100000		ug/Kg-dry	164652	5000	08/07/2012 16:35	YH
Pentachlorophenol	29000	11000		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Phenanthrene	3300000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Pyrene	830000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Surr: 4-Terphenyl-d14	20.2	50.1-123	S	%REC	164652	5	08/03/2012 21:33	YH
Surr: Nitrobenzene-d5	87.6	37.5-120		%REC	164652	5	08/03/2012 21:33	YH
Surr: Phenol-d5	33.6	39-120	S	%REC	164652	5	08/03/2012 21:33	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Barium	183	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Cadmium	BRL	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Chromium	127	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Cobalt	35.5	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Copper	70.5	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Lead	31.8	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Nickel	34.6	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Selenium	BRL	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Vanadium	130	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Zinc	153	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:00:00 AM
Lab ID:	1207J12-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Acetone	BRL	73		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
2-Butanone	BRL	37		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Benzene	15	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Trichloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Toluene	40	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Tetrachloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Ethylbenzene	24	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
m,p-Xylene	63	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
o-Xylene	28	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Styrene	9.2	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,3,5-Trimethylbenzene	30	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,2,4-Trimethylbenzene	62	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	164775	1	08/03/2012 16:49	JE
Surr: Dibromofluoromethane	101	71.8-135		%REC	164775	1	08/03/2012 16:49	JE
Surr: Toluene-d8	94.9	77.1-117		%REC	164775	1	08/03/2012 16:49	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	4700	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4-Dimethylphenol	540	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2-Methylnaphthalene	11000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Acenaphthene	12000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Anthracene	4400	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benz(a)anthracene	2500	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(a)pyrene	730	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(b)fluoranthene	1200	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(k)fluoranthene	570	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Carbazole	2700	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Chrysene	2500	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Dibenzofuran	8500	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Fluoranthene	16000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:00:00 AM
Lab ID:	1207J12-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	12000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Naphthalene	29000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Pentachlorophenol	3100	2100		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Phenanthrene	29000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Phenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Pyrene	9800	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Surr: 4-Terphenyl-d14	80.3	50.1-123		%REC	164652	1	08/03/2012 21:59	YH
Surr: Nitrobenzene-d5	60.2	37.5-120		%REC	164652	1	08/03/2012 21:59	YH
Surr: Phenol-d5	58.7	39-120		%REC	164652	1	08/03/2012 21:59	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Barium	22.3	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Cadmium	BRL	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Chromium	59.4	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Cobalt	3.84	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Copper	30.2	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Lead	13.0	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Nickel	6.06	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Selenium	BRL	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Vanadium	131	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Zinc	120	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-2@11-12
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:30:00 AM
Lab ID:	1207J12-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Acetone	170	92		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
2-Butanone	BRL	46		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Benzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Toluene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Styrene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 13:39	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164775	1	08/03/2012 13:39	JE
Surr: Toluene-d8	95.6	77.1-117		%REC	164775	1	08/03/2012 13:39	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Acenaphthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Anthracene	840	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benz(a)anthracene	610	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Carbazole	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Chrysene	630	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Fluoranthene	3400	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-2@11-12
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:30:00 AM
Lab ID:	1207J12-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Naphthalene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Phenanthrene	820	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Phenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Pyrene	2100	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Surr: 4-Terphenyl-d14	73.5	50.1-123		%REC	164652	1	08/03/2012 22:25	YH
Surr: Nitrobenzene-d5	49.4	37.5-120		%REC	164652	1	08/03/2012 22:25	YH
Surr: Phenol-d5	47.6	39-120		%REC	164652	1	08/03/2012 22:25	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Barium	27.8	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Cadmium	BRL	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Chromium	46.0	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Cobalt	5.18	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Copper	31.4	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Lead	22.1	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Nickel	9.37	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Selenium	BRL	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Vanadium	119	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Zinc	37.7	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@15-16
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:45:00 AM
Lab ID:	1207J12-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Acetone	240	79		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
2-Butanone	BRL	40		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Benzene	32	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Toluene	100	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Ethylbenzene	130	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
m,p-Xylene	310	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
o-Xylene	150	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Styrene	35	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,3,5-Trimethylbenzene	1200	190		ug/Kg-dry	164752	50	08/04/2012 04:02	NP
1,2,4-Trimethylbenzene	2400	190		ug/Kg-dry	164752	50	08/04/2012 04:02	NP
Surr: 4-Bromofluorobenzene	113	56.5-134		%REC	164752	50	08/04/2012 04:02	NP
Surr: 4-Bromofluorobenzene	73.9	56.5-134		%REC	164694	1	08/03/2012 03:08	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164752	50	08/04/2012 04:02	NP
Surr: Dibromofluoromethane	93.3	71.8-135		%REC	164694	1	08/03/2012 03:08	JE
Surr: Toluene-d8	96.3	77.1-117		%REC	164752	50	08/04/2012 04:02	NP
Surr: Toluene-d8	83.9	77.1-117		%REC	164694	1	08/03/2012 03:08	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	85000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2,4-Dimethylphenol	6800	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2-Methylnaphthalene	360000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Acenaphthene	420000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Acenaphthylene	6500	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Anthracene	120000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benz(a)anthracene	100000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benzo(a)pyrene	27000	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Benzo(b)fluoranthene	59000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benzo(k)fluoranthene	12000	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Carbazole	56000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Chrysene	100000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@15-16
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:45:00 AM
Lab ID:	1207J12-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Dibenzofuran	230000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Fluoranthene	590000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Fluorene	360000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Indeno(1,2,3-cd)pyrene	9100	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Naphthalene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Pentachlorophenol	130000	110000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Phenanthrene	1000000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Pyrene	390000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Surr: 4-Terphenyl-d14	4.1	50.1-123	S	%REC	164652	5	08/03/2012 22:51	YH
Surr: Nitrobenzene-d5	76.7	37.5-120		%REC	164652	5	08/03/2012 22:51	YH
Surr: Phenol-d5	47.8	39-120		%REC	164652	5	08/03/2012 22:51	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Barium	53.1	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Cadmium	BRL	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Chromium	77.0	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Cobalt	6.79	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Copper	38.1	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Lead	17.2	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Nickel	12.1	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Selenium	BRL	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Vanadium	103	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Zinc	526	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@35-36
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:55:00 AM
Lab ID:	1207J12-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Acetone	170	91		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
2-Butanone	BRL	45		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,1,1-Trichloroethane	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Benzene	7.8	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,2-Dichloroethane	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Trichloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Toluene	66	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Tetrachloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Ethylbenzene	54	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
m,p-Xylene	130	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
o-Xylene	55	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Styrene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,3,5-Trimethylbenzene	59	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,2,4-Trimethylbenzene	120	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Surr: 4-Bromofluorobenzene	91.4	56.5-134		%REC	164694	1	08/03/2012 03:35	JE
Surr: Dibromofluoromethane	87.8	71.8-135		%REC	164694	1	08/03/2012 03:35	JE
Surr: Toluene-d8	89.1	77.1-117		%REC	164694	1	08/03/2012 03:35	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	37000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4,6-Trichlorophenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4-Dimethylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4-Dinitrophenol	BRL	20000		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2-Chlorophenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2-Methylnaphthalene	320000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
2-Methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
3,4-Methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
4-Chloro-3-methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Acenaphthene	270000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Acenaphthylene	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Anthracene	97000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Benz(a)anthracene	43000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(a)pyrene	15000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(b)fluoranthene	19000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(k)fluoranthene	9000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Carbazole	33000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Chrysene	42000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Dibenz(a,h)anthracene	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Dibenzofuran	200000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Fluoranthene	290000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@35-36
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:55:00 AM
Lab ID:	1207J12-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	240000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Indeno(1,2,3-cd)pyrene	4400	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Naphthalene	1100000	380000		ug/Kg-dry	164855	1000	08/09/2012 17:50	YH
Pentachlorophenol	29000	20000		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Phenanthrene	550000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Phenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Pyrene	180000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Surr: 4-Terphenyl-d14	65.6	50.1-123		%REC	164855	10	08/08/2012 17:12	YH
Surr: Nitrobenzene-d5	42.8	37.5-120		%REC	164855	10	08/08/2012 17:12	YH
Surr: Phenol-d5	28	39-120	S	%REC	164855	10	08/08/2012 17:12	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Barium	347	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Cadmium	BRL	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Chromium	57.1	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Cobalt	24.8	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Copper	36.8	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Lead	11.0	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Nickel	38.1	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Selenium	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Vanadium	86.0	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Zinc	175	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
PERCENT MOISTURE D2216								
Percent Moisture	13.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-17@17-18
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 11:45:00 AM
Lab ID:	1207J12-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Acetone	BRL	93		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
2-Butanone	BRL	46		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Benzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Toluene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Styrene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 13:08	JE
Surr: Dibromofluoromethane	103	71.8-135		%REC	164775	1	08/03/2012 13:08	JE
Surr: Toluene-d8	102	77.1-117		%REC	164775	1	08/03/2012 13:08	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Acenaphthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Carbazole	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Chrysene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-17@17-18
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 11:45:00 AM
Lab ID:	1207J12-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Naphthalene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Phenanthrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Phenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Surr: 4-Terphenyl-d14	78.5	50.1-123		%REC	164652	1	08/03/2012 14:47	YH
Surr: Nitrobenzene-d5	53.4	37.5-120		%REC	164652	1	08/03/2012 14:47	YH
Surr: Phenol-d5	52.4	39-120		%REC	164652	1	08/03/2012 14:47	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Barium	122	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Cadmium	BRL	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Chromium	49.7	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Cobalt	15.5	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Copper	46.0	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Lead	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Nickel	22.6	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Selenium	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Vanadium	87.1	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Zinc	86.1	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-21@26-27
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 2:55:00 PM
Lab ID:	1207J12-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Acetone	BRL	92		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
2-Butanone	BRL	46		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Benzene	6.2	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,2-Dichloroethane	8.5	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Toluene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Ethylbenzene	9.3	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
m,p-Xylene	14	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
o-Xylene	9.6	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Styrene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,3,5-Trimethylbenzene	8.1	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,2,4-Trimethylbenzene	18	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Surr: 4-Bromofluorobenzene	91.5	56.5-134		%REC	164694	1	08/03/2012 04:29	JE
Surr: Dibromofluoromethane	89.2	71.8-135		%REC	164694	1	08/03/2012 04:29	JE
Surr: Toluene-d8	86.6	77.1-117		%REC	164694	1	08/03/2012 04:29	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Acenaphthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Carbazole	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Chrysene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-21@26-27
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 2:55:00 PM
Lab ID:	1207J12-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Naphthalene	8000	4200		ug/Kg-dry	164652	10	08/06/2012 16:04	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Phenanthrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Phenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Surr: 4-Terphenyl-d14	97.3	50.1-123		%REC	164652	1	08/03/2012 15:14	YH
Surr: Nitrobenzene-d5	65.9	37.5-120		%REC	164652	1	08/03/2012 15:14	YH
Surr: Phenol-d5	67.8	39-120		%REC	164652	1	08/03/2012 15:14	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Barium	60.8	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Cadmium	BRL	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Chromium	30.8	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Cobalt	10.4	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Copper	14.8	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Lead	14.0	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Nickel	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Selenium	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Vanadium	40.6	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Zinc	24.1	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-22@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 3:50:00 PM
Lab ID:	1207J12-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Acetone	BRL	45000		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
2-Butanone	BRL	22000		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,1,1-Trichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Benzene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,2-Dichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Trichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Toluene	3200	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Tetrachloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Ethylbenzene	5700	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
m,p-Xylene	12000	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
o-Xylene	5200	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Styrene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,3,5-Trimethylbenzene	8500	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,2,4-Trimethylbenzene	13000	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164752	500	08/04/2012 05:58	NP
Surr: Dibromofluoromethane	93.3	71.8-135		%REC	164752	500	08/04/2012 05:58	NP
Surr: Toluene-d8	93.2	77.1-117		%REC	164752	500	08/04/2012 05:58	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Methylnaphthalene	5900	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Acenaphthene	7100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Acenaphthylene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Anthracene	4200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benz(a)anthracene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(a)pyrene	9400	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(b)fluoranthene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(k)fluoranthene	6100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Carbazole	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Chrysene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Dibenzofuran	2100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Fluoranthene	21000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-22@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 3:50:00 PM
Lab ID:	1207J12-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	3400	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Indeno(1,2,3-cd)pyrene	3200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Naphthalene	33000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Pentachlorophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Phenanthrene	6200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Pyrene	24000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Surr: 4-Terphenyl-d14	71.9	50.1-123		%REC	164652	5	08/03/2012 23:17	YH
Surr: Nitrobenzene-d5	49.4	37.5-120		%REC	164652	5	08/03/2012 23:17	YH
Surr: Phenol-d5	48.8	39-120		%REC	164652	5	08/03/2012 23:17	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Barium	55.0	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Cadmium	BRL	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Chromium	179	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Cobalt	BRL	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Copper	14.2	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Lead	12.4	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Nickel	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Selenium	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Vanadium	57.5	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Zinc	391	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-23@35-36
Project Name:	WC Meredith	**Collection Date:**	7/27/2012 9:00:00 AM
Lab ID:	1207J12-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Acetone	BRL	83		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
2-Butanone	BRL	41		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Benzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Trichloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Toluene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Tetrachloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Ethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
m,p-Xylene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
o-Xylene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Styrene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,3,5-Trimethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,2,4-Trimethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Surr: 4-Bromofluorobenzene	101	56.5-134		%REC	164775	1	08/03/2012 16:24	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164775	1	08/03/2012 16:24	JE
Surr: Toluene-d8	96.3	77.1-117		%REC	164775	1	08/03/2012 16:24	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Acenaphthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Carbazole	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Chrysene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-23@35-36
Project Name:	WC Meredith	**Collection Date:**	7/27/2012 9:00:00 AM
Lab ID:	1207J12-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Naphthalene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Phenanthrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Phenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Surr: 4-Terphenyl-d14	63.2	50.1-123		%REC	164652	1	08/03/2012 17:54	YH
Surr: Nitrobenzene-d5	39.9	37.5-120		%REC	164652	1	08/03/2012 17:54	YH
Surr: Phenol-d5	42.1	39-120		%REC	164652	1	08/03/2012 17:54	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Barium	248	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Cadmium	BRL	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Chromium	34.0	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Cobalt	14.2	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Copper	39.3	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Lead	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Nickel	17.5	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Selenium	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Vanadium	54.3	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Zinc	96.3	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
PERCENT MOISTURE D2216								
Percent Moisture	27.1	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	7/27/2012
Lab ID:	1207J12-044	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Acetone	BRL	50		ug/L	164428	1	08/02/2012 12:06	DB
2-Butanone	BRL	50		ug/L	164428	1	08/02/2012 12:06	DB
1,1,1-Trichloroethane	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Benzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,2-Dichloroethane	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Trichloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Toluene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Tetrachloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Ethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
m,p-Xylene	BRL	2.0		ug/L	164428	1	08/02/2012 12:06	DB
o-Xylene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Styrene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Surr: 4-Bromofluorobenzene	94.9	67.4-123		%REC	164428	1	08/02/2012 12:06	DB
Surr: Dibromofluoromethane	94.5	75.5-128		%REC	164428	1	08/02/2012 12:06	DB
Surr: Toluene-d8	97.4	70-120		%REC	164428	1	08/02/2012 12:06	DB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

James Forrest
Analytical Environmental Services
3785 Presidential Parkway
Atlanta GA 30340

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Information:

Pace Project #: 10200752
Sample Receipt Date: 07/31/2012
Client Project #: 1207J12
Client Sub PO #: N/A
State Cert #: 959

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Norman Hoffa, your Pace Project Manager.

This report has been reviewed by:

August 13, 2012

Norman Hoffa, Project Manager
(919) 596-1935
(612) 607-6444 (fax)
norm.hoffa@pacelabs.com

Report Prepared Date:
August 13, 2012

Report of Laboratory Analysis

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The results relate only to the samples included in this report.

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Analytical Environmental Services, Inc. The sample was analyzed for the presence or absence of Appendix IX List polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8280A. The reporting limits ranged from 1.0-2.5 ug/Kg as specified in Table 2 of the method and were not adjusted for sample amount.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 84-89%. All of the labeled standard recoveries obtained for this project were within the 25-150% target range specified in Method 8280A. Also, since the internal standards were added prior to extraction, the data were automatically corrected for variation in recovery.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCDDs and PCDFs at the reporting limits. This indicates that the sample preparation procedures did not significantly impact the results reported for the field sample.

A laboratory spike sample was also prepared using clean sand that had been fortified with native standard materials. Recoveries of the native compounds ranged from 101-138%. The recovery obtained for 1,2,3,7,8-PeCDF was above the target range and was flagged "R" on the results table; this may indicate a high bias for PeCDF isomers in these determinations. However, since PeCDF isomers were not detected in the field sample, the accuracy of the reported results was not impacted by this deviation. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Montana	92
Alaska	MN00064	Nebraska	
Arizona	AZ0014	Nevada	MN_00064_200
Arkansas	88-0680	New Jersey (NE	MN002
California	01155CA	New Mexico	MN00064
Colorado	MN00064	New York (NEL	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 5	WD-15J	North Dakota	R-036
EPA Region 8	8TMS-Q	Ohio	4150
Florida (NELAP	E87605	Ohio VAP	CL101 9507
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennesee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

1126

CHAIN OF CUSTODY

Work Order: 10200752

Date: _____ Page _____ of _____

Report No.....10200752_8280

COMPANY: AES	ADDRESS: Same as above
PHONE:	FAX:
SAMPLED BY:	SIGNATURE:

ANALYSIS REQUESTED: Dioxins 8280

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB/BK-1@3-4'	7/23	11:10	✓		SO	✓		
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	7/30/12 14:30	1: CSI Pace	7.31.12 9.55 5.4°C
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: 1207J12
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: jforrest@aesatlanta.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- ✓ Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Document Revised: 19Jun2012 Page 1 of 1
	Document No.: F-MN-L-213-rev.03	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Analytical Environmental

Project #: WO#: 10200752

10200752

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [X] Commercial [ ] Pace [ ] Other:

Tracking Number: 466917312850

Custody Seal on Cooler/Box Present? [ ] Yes [X] No **Seals Intact?** [ ] Yes [X] No

Optional: Proj. Due Date: Proj. Name:

Packing Material: [ ] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other: **Temp Blank?** [ ] Yes [X] No

Thermometer Used: [ ] 80344042 [X] 80512447 **Type of Ice:** [X] Wet [ ] Blue [ ] None [ ] Samples on ice, cooling process has begun

Cooler Temperature: 5.4 **Biological Tissue Frozen?** [ ] Yes [ ] No **Date and Initials of Person Examining Contents:** CSI 7.31.12

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Chain of Custody Filled Out?	[X] Yes	[ ] No	[ ] N/A	2.
Chain of Custody Relinquished?	[X] Yes	[ ] No	[ ] N/A	3.
Sampler Name and Signature on COC?	[ ] Yes	[X] No	[ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No	[ ] N/A	6.
Rush Turn Around Time Requested?	[X] Yes	[ ] No	[ ] N/A	7. 5 day
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	8.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	9.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	10.
Filtered Volume Received for Dissolved Tests?	[ ] Yes	[ ] No	[X] N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: SL	[X] Yes	[ ] No	[ ] N/A	12.
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO_3 [ ] H_2SO_4 [ ] NaOH [ ] HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	[ ] Yes	[ ] No	[X] N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	[ ] Yes	[X] No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	[ ] Yes	[ ] No	[X] N/A	14.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	15.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: Date/Time:

Comments/Resolution:

Norman Hoffa Digitally signed by Norman Hoffa DN: cn=Norman Hoffa, o=Pace Analytical Services Inc, ou=Project Manager, email=norm.hoffa@pacelabs.com, c=US Date: 2012.08.01 18:14:14 -04'00'

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

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Appendix B

Sample Analysis Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	SB/BK-1@3-4'		
Lab Sample ID	10200752001		
Filename	C120808B_13		
Injected By	ACE	Matrix	Soil
Total Amount Extracted	10.3 g	Dilution	NA
% Moisture	NA	Collected	07/23/2012 11:10
ICAL Date	03/09/2012	Received	07/31/2012 09:55
CCal Filename(s)	C120808B_02 & C120808B_16	Extracted	08/03/2012 20:00
Method Blank ID	BLANK-33453	Analyzed	08/09/2012 06:45

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	84
				2,3,7,8-TCDD-13C	50.00	84
				1,2,3,6,7,8-HxCDD-13C	50.00	89
2,3,7,8-TCDD	ND	-----	1.0			
				1,2,3,4-TCDD-13C	50.00	NA
				1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,7,8-PeCDF	ND	-----	2.5			
2,3,4,7,8-PeCDF	ND	-----	2.5	2,3,7,8-TCDD-37Cl4	25.00	86
1,2,3,7,8-PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
R = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
P = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Lab Sample ID	BLANK-33453	Matrix	Solid
Filename	C120808A_06	Dilution	NA
Total Amount Extracted	10.0 g	Extracted	08/03/2012 20:00
ICAL ID	10MSS7-120309C	Analyzed	08/08/2012 12:26
CCal Filename(s)	C120808A_02 & C120808A_17	Injected By	ACE

Native Isomers	**Conc** ug/Kg	**EMPC** ug/Kg	**RL** ug/Kg	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	69
				2,3,7,8-TCDD-13C	50.00	65
				1,2,3,6,7,8-HxCDD-13C	50.00	68
2,3,7,8-TCDD	ND	-----	1.0			
				1,2,3,4-TCDD-13C	50.00	NA
				1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,7,8-PeCDF	ND	-----	2.5			
2,3,4,7,8-PeCDF	ND	-----	2.5	2,3,7,8-TCDD-37Cl4	25.00	81
1,2,3,7,8-PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Laboratory Control Spike Results

Client - Analytical Environmental Services

Lab Sample ID	LCS-33454		
Filename	C120808B_03	Matrix	Solid
Total Amount Extracted	10.3 g	Dilution	NA
ICAL Date	03/09/2012	Extracted	08/03/2012 20:00
CCal Filename(s)	C120808B_02 & C120808B_15	Analyzed	08/08/2012 23:11
Method Blank ID	BLANK-33453	Injected By	ACE

Native Isomers	**Qs** (ng)	**Qm** (ng)	% Rec.	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	25.00	25.13	101	2,3,7,8-TCDF-13C	50.00	68
2,3,7,8-TCDD	25.00	25.20	101	2,3,7,8-TCDD-13C	50.00	65
1,2,3,7,8-PeCDF	62.50	86.37	138 R	1,2,3,6,7,8-HxCDD-13C	50.00	70
1,2,3,7,8-PeCDD	62.50	79.58	127	1,2,3,4-TCDD-13C	50.00	NA
1,2,3,6,7,8-HxCDF	62.50	68.45	110	1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,6,7,8-HxCDD	62.50	64.82	104	2,3,7,8-TCDD-37Cl4	25.00	85

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Outside the target recovery range of the method
X = Background subtracted value
NA = Not Applicable
NC = Not Calculated
I = Interference

REPORT OF LABORATORY ANALYSIS

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Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Envirorisk Consultants Work Order Number 1207J12

Checklist completed by Jason B 7/28/12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.2° Cooler #2 3.1° Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes __	No ✓
Proceed with Standard TAT as per project history?	Yes ✓	No __ Not Applicable __
Water - VOA vials have zero headspace?	No VOA vials submitted ✓	Yes __ No __
Water - pH acceptable upon receipt?	Yes __	No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes ✓ No __

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164428

Sample ID: **MB-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729762**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.69	0	50	0	95.4	67.4	123	0	0	0	
Surr: Dibromofluoromethane	49.07	0	50	0	98.1	75.5	128	0	0	0	
Surr: Toluene-d8	48.32	0	50	0	96.6	70	120	0	0	0	

Sample ID: **LCS-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.31	5.0	50	0	115	60	140	0	0	0	
Benzene	54.00	5.0	50	0	108	70	130	0	0	0	
Toluene	54.97	5.0	50	0	110	70	130	0	0	0	
Trichloroethene	54.19	5.0	50	0	108	70	130	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164428

Sample ID: **LCS-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	51.74	0	50	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	50.73	0	50	0	101	75.5	128	0	0	0	
Surr: Toluene-d8	50.55	0	50	0	101	70	120	0	0	0	

Sample ID: **1207G57-006AMS** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729766**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	494.2	50	500	0	98.8	50.1	179	0	0	0	
Benzene	469.2	50	500	0	93.8	61.2	150	0	0	0	
Toluene	476.1	50	500	0	95.2	58.7	154	0	0	0	
Trichloroethene	502.5	50	500	39.30	92.6	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	513.0	0	500	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	505.7	0	500	0	101	75.5	128	0	0	0	
Surr: Toluene-d8	496.3	0	500	0	99.3	70	120	0	0	0	

Sample ID: **1207G57-006AMSD** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729767**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	482.4	50	500	0	96.5	50.1	179	494.2	2.42	23.3	
Benzene	467.1	50	500	0	93.4	61.2	150	469.2	0.449	19	
Toluene	472.1	50	500	0	94.4	58.7	154	476.1	0.844	20	
Trichloroethene	511.3	50	500	39.30	94.4	68.3	149	502.5	1.74	17.7	
Surr: 4-Bromofluorobenzene	511.0	0	500	0	102	67.4	123	513.0	0	0	
Surr: Dibromofluoromethane	505.6	0	500	0	101	75.5	128	505.7	0	0	
Surr: Toluene-d8	498.5	0	500	0	99.7	70	120	496.3	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164459

Sample ID: **MB-164459** Client ID: Units: **mg/Kg** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731254**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164459** Client ID: Units: **mg/Kg** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731253**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	48.21	5.00	50	0	96.4	80	120	0	0	0	
Barium	49.24	5.00	50	0.5345	97.4	80	120	0	0	0	
Cadmium	47.62	2.50	50	0	95.2	80	120	0	0	0	
Chromium	50.80	2.50	50	0.06478	101	80	120	0	0	0	
Cobalt	49.02	2.50	50	0	98	80	120	0	0	0	
Copper	48.00	2.50	50	0	96	80	120	0	0	0	
Lead	48.76	5.00	50	0.09865	97.3	80	120	0	0	0	
Nickel	49.08	5.00	50	0	98.2	80	120	0	0	0	
Selenium	47.33	5.00	50	0.2024	94.3	80	120	0	0	0	
Vanadium	48.95	5.00	50	0	97.9	80	120	0	0	0	
Zinc	49.48	5.00	50	0.2336	98.5	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164459

Sample ID: **1207I57-043BMS** Client ID: Units: **mg/Kg-dry** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731256**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	55.64	6.46	64.58	0.1895	85.9	75	125	0	0	0	
Barium	80.50	6.46	64.58	20.22	93.3	75	125	0	0	0	
Cadmium	58.68	3.23	64.58	0	90.9	75	125	0	0	0	
Chromium	81.37	3.23	64.58	16.16	101	75	125	0	0	0	
Cobalt	61.79	3.23	64.58	2.566	91.7	75	125	0	0	0	
Copper	67.79	3.23	64.58	7.619	93.2	75	125	0	0	0	
Lead	84.79	6.46	64.58	26.62	90.1	75	125	0	0	0	
Nickel	60.77	6.46	64.58	2.550	90.1	75	125	0	0	0	
Selenium	52.59	6.46	64.58	0	81.4	75	125	0	0	0	
Vanadium	97.82	6.46	64.58	36.40	95.1	75	125	0	0	0	
Zinc	71.81	6.46	64.58	13.36	90.5	75	125	0	0	0	

Sample ID: **1207I57-043BMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	56.59	6.44	64.45	0.1895	87.5	75	125	55.64	1.68	20	
Barium	80.89	6.44	64.45	20.22	94.1	75	125	80.50	0.492	20	
Cadmium	59.80	3.22	64.45	0	92.8	75	125	58.68	1.89	20	
Chromium	76.39	3.22	64.45	16.16	93.5	75	125	81.37	6.31	20	
Cobalt	62.76	3.22	64.45	2.566	93.4	75	125	61.79	1.56	20	
Copper	67.46	3.22	64.45	7.619	92.8	75	125	67.79	0.491	20	
Lead	86.84	6.44	64.45	26.62	93.5	75	125	84.79	2.4	20	
Nickel	61.90	6.44	64.45	2.550	92.1	75	125	60.77	1.85	20	
Selenium	56.06	6.44	64.45	0	87	75	125	52.59	6.39	20	
Vanadium	85.30	6.44	64.45	36.40	75.9	75	125	97.82	13.7	20	
Zinc	72.10	6.44	64.45	13.36	91.1	75	125	71.81	0.396	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **MB-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **MB-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1842	0	1667	0	111	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1141	0	1667	0	68.5	37.5	120	0	0	0	
Surr: Phenol-d5	2219	0	3333	0	66.6	39	120	0	0	0	

Sample ID: **LCS-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735422**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2542	330	3333	0	76.3	59	120	0	0	0	
4-Chloro-3-methylphenol	2851	330	3333	0	85.5	55.1	120	0	0	0	
Acenaphthene	2721	330	3333	0	81.6	59	120	0	0	0	
Pentachlorophenol	2132	1700	3333	0	64	44.6	120	0	0	0	
Phenol	2483	330	3333	0	74.5	55.1	120	0	0	0	
Pyrene	3418	330	3333	0	103	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	2174	0	1667	0	130	50.1	123	0	0	0	S
Surr: Nitrobenzene-d5	1297	0	1667	0	77.8	37.5	120	0	0	0	
Surr: Phenol-d5	2443	0	3333	0	73.3	39	120	0	0	0	

Sample ID: **1207I57-043BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2660	430	4323	0	61.5	44.8	120	0	0	0	
4-Chloro-3-methylphenol	3332	430	4323	0	77.1	45.1	120	0	0	0	
Acenaphthene	3094	430	4323	0	71.6	50.4	120	0	0	0	
Pentachlorophenol	2687	2200	4323	0	62.2	31.1	120	0	0	0	
Phenol	2679	430	4323	0	62	43.9	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **1207I57-043BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	3847	430	4323	0	89	47.9	115	0	0	0	
Surr: 4-Terphenyl-d14	2446	0	2161	0	113	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1309	0	2161	0	60.6	37.5	120	0	0	0	
Surr: Phenol-d5	2514	0	4323	0	58.2	39	120	0	0	0	

Sample ID: **1207I57-043BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735426**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2854	430	4333	0	65.9	44.8	120	2660	7.03	21.7	
4-Chloro-3-methylphenol	3346	430	4333	0	77.2	45.1	120	3332	0.427	23	
Acenaphthene	3011	430	4333	0	69.5	50.4	120	3094	2.72	21.3	
Pentachlorophenol	2556	2200	4333	0	59	31.1	120	2687	5	20.6	
Phenol	2883	430	4333	0	66.5	43.9	120	2679	7.33	21	
Pyrene	3748	430	4333	0	86.5	47.9	115	3847	2.6	18.9	
Surr: 4-Terphenyl-d14	2298	0	2167	0	106	50.1	123	2446	0	0	
Surr: Nitrobenzene-d5	1411	0	2167	0	65.1	37.5	120	1309	0	0	
Surr: Phenol-d5	2767	0	4333	0	63.9	39	120	2514	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164508

Sample ID: **MB-164508** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733541**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164508** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733536**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	50.37	5.00	50	0.2583	100	80	120	0	0	0	
Barium	50.68	5.00	50	0.5363	100	80	120	0	0	0	
Cadmium	49.84	2.50	50	0.06344	99.5	80	120	0	0	0	
Chromium	52.58	2.50	50	0.1376	105	80	120	0	0	0	
Cobalt	50.62	2.50	50	0.04250	101	80	120	0	0	0	
Copper	50.65	2.50	50	0.09248	101	80	120	0	0	0	
Lead	49.98	5.00	50	0.2959	99.4	80	120	0	0	0	
Nickel	50.27	5.00	50	0	101	80	120	0	0	0	
Selenium	49.98	5.00	50	0.4384	99.1	80	120	0	0	0	
Vanadium	50.57	5.00	50	0.04300	101	80	120	0	0	0	
Zinc	51.23	5.00	50	1.391	99.7	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164508

Sample ID: **1207J12-020CMS** Client ID: **SWMU 4-4@7-8** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733554**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	57.06	6.44	64.43	0	88.6	75	125	0	0	0	
Barium	151.9	6.44	64.43	100.6	79.6	75	125	0	0	0	
Cadmium	61.58	3.22	64.43	0	95.6	75	125	0	0	0	
Chromium	124.2	3.22	64.43	68.89	85.9	75	125	0	0	0	
Cobalt	69.65	3.22	64.43	10.87	91.2	75	125	0	0	0	
Copper	151.9	3.22	64.43	87.54	100	75	125	0	0	0	
Lead	79.63	6.44	64.43	26.33	82.7	75	125	0	0	0	
Nickel	74.98	6.44	64.43	17.26	89.6	75	125	0	0	0	
Selenium	50.63	6.44	64.43	0	78.6	75	125	0	0	0	
Vanadium	222.8	6.44	64.43	169.5	82.7	75	125	0	0	0	
Zinc	122.0	6.44	64.43	71.57	78.3	75	125	0	0	0	

Sample ID: **1207J12-020CMSD** Client ID: **SWMU 4-4@7-8** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733557**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	56.04	6.44	64.38	0	87	75	125	57.06	1.81	20	
Barium	167.6	6.44	64.38	100.6	104	75	125	151.9	9.8	20	
Cadmium	61.50	3.22	64.38	0	95.5	75	125	61.58	0.136	20	
Chromium	130.9	3.22	64.38	68.89	96.3	75	125	124.2	5.21	20	
Cobalt	71.48	3.22	64.38	10.87	94.1	75	125	69.65	2.59	20	
Copper	163.1	3.22	64.38	87.54	117	75	125	151.9	7.1	20	
Lead	81.09	6.44	64.38	26.33	85	75	125	79.63	1.81	20	
Nickel	76.92	6.44	64.38	17.26	92.7	75	125	74.98	2.55	20	
Selenium	50.38	6.44	64.38	0	78.3	75	125	50.63	0.492	20	
Vanadium	238.3	6.44	64.38	169.5	107	75	125	222.8	6.71	20	
Zinc	135.3	6.44	64.38	71.57	99	75	125	122.0	10.4	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164509

Sample ID: **MB-164509** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735182**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164509** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735181**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	51.56	5.00	50	0	103	80	120	0	0	0	
Barium	51.25	5.00	50	0	102	80	120	0	0	0	
Cadmium	50.52	2.50	50	0	101	80	120	0	0	0	
Chromium	52.51	2.50	50	0.1010	105	80	120	0	0	0	
Cobalt	51.14	2.50	50	0	102	80	120	0	0	0	
Copper	50.34	2.50	50	0.05385	101	80	120	0	0	0	
Lead	50.91	5.00	50	0.08390	102	80	120	0	0	0	
Nickel	51.31	5.00	50	0	103	80	120	0	0	0	
Selenium	50.59	5.00	50	0	101	80	120	0	0	0	
Vanadium	50.31	5.00	50	0	101	80	120	0	0	0	
Zinc	54.79	5.00	50	1.359	107	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164509

Sample ID: **1207J12-026CMS** Client ID: **SWMU 8-1@2-3'** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735186**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	52.38	5.71	57.06	2.790	86.9	75	125	0	0	0	
Barium	102.9	5.71	57.06	33.22	122	75	125	0	0	0	
Cadmium	54.66	2.85	57.06	0	95.8	75	125	0	0	0	
Chromium	128.8	2.85	57.06	68.25	106	75	125	0	0	0	
Cobalt	58.05	2.85	57.06	4.553	93.8	75	125	0	0	0	
Copper	99.11	2.85	57.06	39.49	104	75	125	0	0	0	
Lead	71.74	5.71	57.06	22.90	85.6	75	125	0	0	0	
Nickel	62.39	5.71	57.06	9.360	92.9	75	125	0	0	0	
Selenium	40.32	5.71	57.06	0	70.7	75	125	0	0	0	S
Vanadium	220.9	5.71	57.06	164.8	98.3	75	125	0	0	0	
Zinc	77.69	5.71	57.06	20.40	100	75	125	0	0	0	

Sample ID: **1207J12-026CMSD** Client ID: **SWMU 8-1@2-3'** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	53.19	5.70	57.02	2.790	88.4	75	125	52.38	1.53	20	
Barium	100.8	5.70	57.02	33.22	119	75	125	102.9	2.05	20	
Cadmium	54.88	2.85	57.02	0	96.2	75	125	54.66	0.403	20	
Chromium	127.4	2.85	57.02	68.25	104	75	125	128.8	1.16	20	
Cobalt	58.11	2.85	57.02	4.553	93.9	75	125	58.05	0.097	20	
Copper	101.5	2.85	57.02	39.49	109	75	125	99.11	2.35	20	
Lead	70.53	5.70	57.02	22.90	83.5	75	125	71.74	1.69	20	
Nickel	62.58	5.70	57.02	9.360	93.3	75	125	62.39	0.315	20	
Selenium	41.35	5.70	57.02	0	72.5	75	125	40.32	2.53	20	S
Vanadium	225.3	5.70	57.02	164.8	106	75	125	220.9	1.97	20	
Zinc	78.08	5.70	57.02	20.40	101	75	125	77.69	0.504	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226350**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4737403**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226350**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164540**	Analysis Date: **08/03/2012**	Seq No: **4737403**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1918	0	1667	0	115	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1221	0	1667	0	73.3	37.5	120	0	0	0	
Surr: Phenol-d5	2456	0	3333	0	73.7	39	120	0	0	0	

Sample ID: **MB-164540**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226302**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164540**	Analysis Date: **08/03/2012**	Seq No: **4739102**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4739102**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1296	0	1667	0	77.8	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1049	0	1667	0	63	37.5	120	0	0	0	
Surr: Phenol-d5	2118	0	3333	0	63.6	39	120	0	0	0	

Sample ID: **LCS-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4736689**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2044	330	3333	0	61.3	59	120	0	0	0	
4-Chloro-3-methylphenol	2240	330	3333	0	67.2	55.1	120	0	0	0	
Acenaphthene	2097	330	3333	0	62.9	59	120	0	0	0	
Pentachlorophenol	2391	1700	3333	0	71.7	44.6	120	0	0	0	
Phenol	1959	330	3333	0	58.8	55.1	120	0	0	0	
Pyrene	2108	330	3333	0	63.2	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	1279	0	1667	0	76.8	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1065	0	1667	0	63.9	37.5	120	0	0	0	
Surr: Phenol-d5	2203	0	3333	0	66.1	39	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **1207J12-009CMS** Client ID: **SB/BK-1@11-12'** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226861**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/13/2012** Seq No: **4748066**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2760	410	4093	0	67.4	44.8	120	0	0	0	
4-Chloro-3-methylphenol	3230	410	4093	0	78.9	45.1	120	0	0	0	
Acenaphthene	2942	410	4093	0	71.9	50.4	120	0	0	0	
Pentachlorophenol	2782	2100	4093	0	68	31.1	120	0	0	0	
Phenol	2738	410	4093	0	66.9	43.9	120	0	0	0	
Pyrene	3046	410	4093	0	74.4	47.9	115	0	0	0	
Surr: 4-Terphenyl-d14	1895	0	2047	0	92.6	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1460	0	2047	0	71.4	37.5	120	0	0	0	
Surr: Phenol-d5	2685	0	4093	0	65.6	39	120	0	0	0	

Sample ID: **1207J12-009CMSD** Client ID: **SB/BK-1@11-12'** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226861**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/13/2012** Seq No: **4748068**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2911	410	4096	0	71.1	44.8	120	2760	5.34	21.7	
4-Chloro-3-methylphenol	3174	410	4096	0	77.5	45.1	120	3230	1.76	23	
Acenaphthene	2942	410	4096	0	71.8	50.4	120	2942	0.017	21.3	
Pentachlorophenol	2815	2100	4096	0	68.7	31.1	120	2782	1.19	20.6	
Phenol	2924	410	4096	0	71.4	43.9	120	2738	6.56	21	
Pyrene	3099	410	4096	0	75.7	47.9	115	3046	1.72	18.9	
Surr: 4-Terphenyl-d14	1925	0	2048	0	94	50.1	123	1895	0	0	
Surr: Nitrobenzene-d5	1386	0	2048	0	67.7	37.5	120	1460	0	0	
Surr: Phenol-d5	2779	0	4096	0	67.8	39	120	2685	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164607

Sample ID: **MB-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737054**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	48.13	0	50	0	96.3	56.5	134	0	0	0	
Surr: Dibromofluoromethane	49.15	0	50	0	98.3	71.8	135	0	0	0	
Surr: Toluene-d8	48.10	0	50	0	96.2	77.1	117	0	0	0	

Sample ID: **LCS-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737056**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.36	5.0	50	0	125	60	140	0	0	0	
Benzene	57.93	5.0	50	0	116	70	130	0	0	0	
Toluene	56.78	5.0	50	0	114	70	130	0	0	0	
Trichloroethene	59.71	5.0	50	0	119	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	52.66	0	50	0	105	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164607

Sample ID: **LCS-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737056**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	52.96	0	50	0	106	71.8	135	0	0	0	
Surr: Toluene-d8	49.67	0	50	0	99.3	77.1	117	0	0	0	

Sample ID: **1207K93-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.44	5.0	50.01	0	121	51	159	0	0	0	
Benzene	58.09	5.0	50.01	0	116	67.6	139	0	0	0	
Toluene	58.21	5.0	50.01	0	116	63.5	140	0	0	0	
Trichloroethene	59.52	5.0	50.01	0	119	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	52.60	0	50.01	0	105	56.5	134	0	0	0	
Surr: Dibromofluoromethane	50.05	0	50.01	0	100	71.8	135	0	0	0	
Surr: Toluene-d8	48.75	0	50.01	0	97.5	77.1	117	0	0	0	

Sample ID: **1207K93-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.17	5.0	50.01	0	112	51	159	60.44	7.32	25.7	
Benzene	52.45	5.0	50.01	0	105	67.6	139	58.09	10.2	18.5	
Toluene	53.28	5.0	50.01	0	107	63.5	140	58.21	8.85	18.8	
Trichloroethene	52.47	5.0	50.01	0	105	67.6	145	59.52	12.6	20.7	
Surr: 4-Bromofluorobenzene	53.14	0	50.01	0	106	56.5	134	52.60	0	0	
Surr: Dibromofluoromethane	48.90	0	50.01	0	97.8	71.8	135	50.05	0	0	
Surr: Toluene-d8	48.88	0	50.01	0	97.7	77.1	117	48.75	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **MB-164652** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/03/2012** Seq No: **4739185**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **MB-164652** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/03/2012** Seq No: **4739185**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1302	0	1667	0	78.1	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1044	0	1667	0	62.7	37.5	120	0	0	0	
Surr: Phenol-d5	2149	0	3333	0	64.5	39	120	0	0	0	

Sample ID: **LCS-164652** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/03/2012** Seq No: **4747716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2519	330	3333	0	75.6	59	120	0	0	0	
4-Chloro-3-methylphenol	2772	330	3333	0	83.2	55.1	120	0	0	0	
Acenaphthene	2655	330	3333	0	79.7	59	120	0	0	0	
Pentachlorophenol	3083	1700	3333	0	92.5	44.6	120	0	0	0	
Phenol	2367	330	3333	0	71	55.1	120	0	0	0	
Pyrene	2706	330	3333	0	81.2	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	1655	0	1667	0	99.3	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1379	0	1667	0	82.7	37.5	120	0	0	0	
Surr: Phenol-d5	2716	0	3333	0	81.5	39	120	0	0	0	

Sample ID: **1207J12-038CMS** Client ID: **SB/TW-19@35-36** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226493**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/06/2012** Seq No: **4740580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	BRL	3800	3865	0	84.3	44.8	120	0	0	0	
4-Chloro-3-methylphenol	6033	3800	3865	0	156	45.1	120	0	0	0	S
Acenaphthene	332500	3800	3865	49170	7330	50.4	120	0	0	0	SE
Pentachlorophenol	44680	20000	3865	0	1160	31.1	120	0	0	0	S
Phenol	BRL	3800	3865	0	80.3	43.9	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **1207J12-038CMS** Client ID: **SB/TW-19@35-36** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226493**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/06/2012** Seq No: **4740580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	241700	3800	3865	27850	5530	47.9	115	0	0	0	SE
Surr: 4-Terphenyl-d14	2219	0	1933	0	115	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	2648	0	1933	0	137	37.5	120	0	0	0	S
Surr: Phenol-d5	3243	0	3865	0	83.9	39	120	0	0	0	

Sample ID: **1207J12-038CMSD** Client ID: **SB/TW-19@35-36** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226493**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/06/2012** Seq No: **4740584**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	BRL	3800	3869	0	69.4	44.8	120	3258	0	21.7	
4-Chloro-3-methylphenol	BRL	3800	3869	0	90.8	45.1	120	6033	0	23	
Acenaphthene	244700	3800	3869	49170	5050	50.4	120	332500	30.4	21.3	SRE
Pentachlorophenol	47490	20000	3869	0	1230	31.1	120	44680	6.08	20.6	S
Phenol	BRL	3800	3869	0	66.7	43.9	120	3104	0	21	
Pyrene	139000	3800	3869	27850	2870	47.9	115	241700	53.9	18.9	SRE
Surr: 4-Terphenyl-d14	2093	0	1934	0	108	50.1	123	2219	0	0	
Surr: Nitrobenzene-d5	1791	0	1934	0	92.6	37.5	120	2648	0	0	
Surr: Phenol-d5	2693	0	3869	0	69.6	39	120	3243	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164657

Sample ID: **MB-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736390**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.46	0	50	0	90.9	56.5	134	0	0	0	
Surr: Dibromofluoromethane	48.54	0	50	0	97.1	71.8	135	0	0	0	
Surr: Toluene-d8	50.41	0	50	0	101	77.1	117	0	0	0	

Sample ID: **LCS-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.05	5.0	50	0	106	60	140	0	0	0	
Benzene	48.86	5.0	50	0	97.7	70	130	0	0	0	
Toluene	46.63	5.0	50	0	93.3	70	130	0	0	0	
Trichloroethene	48.50	5.0	50	0	97	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.91	0	50	0	108	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164657

Sample ID: **LCS-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.81	0	50	0	104	71.8	135	0	0	0	
Surr: Toluene-d8	49.38	0	50	0	98.8	77.1	117	0	0	0	

Sample ID: **1207I89-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226259**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/02/2012** Seq No: **4736993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	91.90	7.3	72.94	0	126	51	159	0	0	0	
Benzene	84.05	7.3	72.94	0	115	67.6	139	0	0	0	
Toluene	83.61	7.3	72.94	1.228	113	63.5	140	0	0	0	
Trichloroethene	85.04	7.3	72.94	0	117	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	74.75	0	72.94	0	102	56.5	134	0	0	0	
Surr: Dibromofluoromethane	72.35	0	72.94	0	99.2	71.8	135	0	0	0	
Surr: Toluene-d8	71.22	0	72.94	0	97.6	77.1	117	0	0	0	

Sample ID: **1207I89-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226259**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/02/2012** Seq No: **4736994**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	91.06	7.3	72.94	0	125	51	159	91.90	0.909	25.7	
Benzene	82.69	7.3	72.94	0	113	67.6	139	84.05	1.63	18.5	
Toluene	80.65	7.3	72.94	1.228	109	63.5	140	83.61	3.61	18.8	
Trichloroethene	84.27	7.3	72.94	0	116	67.6	145	85.04	0.913	20.7	
Surr: 4-Bromofluorobenzene	76.64	0	72.94	0	105	56.5	134	74.75	0	0	
Surr: Dibromofluoromethane	69.44	0	72.94	0	95.2	71.8	135	72.35	0	0	
Surr: Toluene-d8	69.63	0	72.94	0	95.5	77.1	117	71.22	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164694

Sample ID: **MB-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736751**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	43.56	0	50	0	87.1	56.5	134	0	0	0	
Surr: Dibromofluoromethane	53.51	0	50	0	107	71.8	135	0	0	0	
Surr: Toluene-d8	45.90	0	50	0	91.8	77.1	117	0	0	0	

Sample ID: **LCS-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.95	5.0	50	0	102	60	140	0	0	0	
Benzene	44.60	5.0	50	0	89.2	70	130	0	0	0	
Toluene	42.95	5.0	50	0	85.9	70	130	0	0	0	
Trichloroethene	41.94	5.0	50	0	83.9	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.19	0	50	0	106	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164694

Sample ID: **LCS-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	54.38	0	50	0	109	71.8	135	0	0	0	
Surr: Toluene-d8	47.60	0	50	0	95.2	77.1	117	0	0	0	

Sample ID: **1207J12-039AMS** Client ID: **SB/TW-17@17-18** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226469**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/06/2012** Seq No: **4739899**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.99	6.2	61.66	0	87.6	51	159	0	0	0	
Benzene	55.33	6.2	61.66	0	89.7	67.6	139	0	0	0	
Toluene	56.59	6.2	61.66	0	91.8	63.5	140	0	0	0	
Trichloroethene	54.88	6.2	61.66	0	89	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	62.81	0	61.66	0	102	56.5	134	0	0	0	
Surr: Dibromofluoromethane	58.92	0	61.66	0	95.6	71.8	135	0	0	0	
Surr: Toluene-d8	62.91	0	61.66	0	102	77.1	117	0	0	0	

Sample ID: **1207J12-039AMSD** Client ID: **SB/TW-17@17-18** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226469**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/06/2012** Seq No: **4739900**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	66.68	6.2	61.66	0	108	51	159	53.99	21	25.7	
Benzene	62.72	6.2	61.66	0	102	67.6	139	55.33	12.5	18.5	
Toluene	65.80	6.2	61.66	0	107	63.5	140	56.59	15.1	18.8	
Trichloroethene	63.87	6.2	61.66	0	104	67.6	145	54.88	15.1	20.7	
Surr: 4-Bromofluorobenzene	63.42	0	61.66	0	103	56.5	134	62.81	0	0	
Surr: Dibromofluoromethane	58.50	0	61.66	0	94.9	71.8	135	58.92	0	0	
Surr: Toluene-d8	61.55	0	61.66	0	99.8	77.1	117	62.91	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164752

Sample ID: **MB-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738601**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
2-Butanone	BRL	2500	0	0	0	0	0	0	0	0	
Acetone	BRL	5000	0	0	0	0	0	0	0	0	
Benzene	BRL	250	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	250	0	0	0	0	0	0	0	0	
o-Xylene	BRL	250	0	0	0	0	0	0	0	0	
Styrene	BRL	250	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	250	0	0	0	0	0	0	0	0	
Toluene	BRL	250	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	250	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	2324	0	2500	0	92.9	56.5	134	0	0	0	
Surr: Dibromofluoromethane	2566	0	2500	0	103	71.8	135	0	0	0	
Surr: Toluene-d8	2261	0	2500	0	90.4	77.1	117	0	0	0	

Sample ID: **LCS-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226464**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/04/2012** Seq No: **4739788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3059	250	2500	0	122	60	140	0	0	0	
Benzene	2496	250	2500	0	99.9	70	130	0	0	0	
Toluene	2559	250	2500	0	102	70	130	0	0	0	
Trichloroethene	2736	250	2500	0	109	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	2665	0	2500	0	107	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164752

Sample ID: **LCS-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226464**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/04/2012** Seq No: **4739788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	2568	0	2500	0	103	71.8	135	0	0	0	
Surr: Toluene-d8	2374	0	2500	0	95	77.1	117	0	0	0	

Sample ID: **1207J12-037AMS** Client ID: **SB/TW-19@15-16** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738610**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	24850	1900	19150	0	130	51	159	0	0	0	
Benzene	19660	1900	19150	0	103	67.6	139	0	0	0	
Toluene	20800	1900	19150	0	109	63.5	140	0	0	0	
Trichloroethene	21410	1900	19150	0	112	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	21820	0	19150	0	114	56.5	134	0	0	0	
Surr: Dibromofluoromethane	20650	0	19150	0	108	71.8	135	0	0	0	
Surr: Toluene-d8	18150	0	19150	0	94.8	77.1	117	0	0	0	

Sample ID: **1207J12-037AMSD** Client ID: **SB/TW-19@15-16** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738611**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	23290	1900	19150	0	122	51	159	24850	6.46	25.7	
Benzene	18930	1900	19150	0	98.8	67.6	139	19660	3.77	18.5	
Toluene	20150	1900	19150	0	105	63.5	140	20800	3.2	18.8	
Trichloroethene	20610	1900	19150	0	108	67.6	145	21410	3.81	20.7	
Surr: 4-Bromofluorobenzene	21520	0	19150	0	112	56.5	134	21820	0	0	
Surr: Dibromofluoromethane	20480	0	19150	0	107	71.8	135	20650	0	0	
Surr: Toluene-d8	18810	0	19150	0	98.2	77.1	117	18150	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164775

Sample ID: **MB-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739775**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	51.39	0	50	0	103	56.5	134	0	0	0	
Surr: Dibromofluoromethane	47.13	0	50	0	94.3	71.8	135	0	0	0	
Surr: Toluene-d8	47.69	0	50	0	95.4	77.1	117	0	0	0	

Sample ID: **LCS-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739777**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.94	5.0	50	0	126	60	140	0	0	0	
Benzene	56.46	5.0	50	0	113	70	130	0	0	0	
Toluene	56.90	5.0	50	0	114	70	130	0	0	0	
Trichloroethene	59.36	5.0	50	0	119	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.39	0	50	0	103	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164775

Sample ID: **LCS-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739777**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	48.60	0	50	0	97.2	71.8	135	0	0	0	
Surr: Toluene-d8	46.67	0	50	0	93.3	77.1	117	0	0	0	

Sample ID: **1208219-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	78.08	7.3	73.24	0	107	51	159	0	0	0	
Benzene	76.34	7.3	73.24	0	104	67.6	139	0	0	0	
Toluene	77.62	7.3	73.24	0	106	63.5	140	0	0	0	
Trichloroethene	78.56	7.3	73.24	0	107	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	75.87	0	73.24	0	104	56.5	134	0	0	0	
Surr: Dibromofluoromethane	68.97	0	73.24	0	94.2	71.8	135	0	0	0	
Surr: Toluene-d8	71.60	0	73.24	0	97.8	77.1	117	0	0	0	

Sample ID: **1208219-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739779**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	83.15	7.3	73.24	0	114	51	159	78.08	6.29	25.7	
Benzene	82.05	7.3	73.24	0	112	67.6	139	76.34	7.21	18.5	
Toluene	81.89	7.3	73.24	0	112	63.5	140	77.62	5.34	18.8	
Trichloroethene	83.34	7.3	73.24	0	114	67.6	145	78.56	5.9	20.7	
Surr: 4-Bromofluorobenzene	75.03	0	73.24	0	102	56.5	134	75.87	0	0	
Surr: Dibromofluoromethane	70.11	0	73.24	0	95.7	71.8	135	68.97	0	0	
Surr: Toluene-d8	71.77	0	73.24	0	98	77.1	117	71.60	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 17, 2012

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 864-9789
FAX: (770) 864-9789

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1207J12

Analytical Environmental Services, Inc. received 43 samples on July 27, 2012 3:10 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/12-06/30/13.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck

Tara Esbeck
Project Manager

Revision 9/17/2012

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/23 Page 1 of 3

COMPANY:	ADDRESS:
ENVIROFISH CON.	3335 SWEET BASIL LANE
PHONE: (7) 864-9789	FAX:
SAMPLED BY: ADL	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs	METALS	PESTICIDES	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB/Bk-2 @ 1'	7/23	9:30	✓		SO	✓	✓	✓				
2	SB/Bk-2 @ 3-4'		9:38	✓			✓	✓	✓				
3	SB/Bk-2 @ 15-16		9:40	✓			✓	✓	✓				
4	SB/Bk-3 @ 1'		10:10	✓			✓	✓	✓				
5	SB/Bk-3 @ 3-4'		10:30	✓			✓	✓	✓				
6	SB/BK-3 @ 15-16'		10:40	✓			✓	✓	✓				
7	SB/Bk-1 @ 1'		11:00	✓			✓	✓	✓				
8	SB/Bk-1 @ 3-4'		11:10	✓			✓	✓	✓	✓			
9	SB/Bk-1 @ 11-12'		11:20	✓			✓	✓	✓				
10	SWMU1-1 @ 2-3		2:11	✓			✓	✓	✓				
11	SWMU1-3 @ 1-2'		2:45	✓			✓	✓	✓				
12	SWMU1-3 @ 3-4'		2:51	✓			✓	✓	✓				
13	SWMU1-2 @ 2-3'		2:22	✓			✓	✓	✓				
14	SWMU1-2 @ 11-12'		3:00	✓			✓	✓	✓				

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:10	1: Lalaye P	7/27 3:10pm
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC MCR

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / /

IN / /

VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/23,24 Page 1 of 3

COMPANY: ENVIRONSW CON.

ADDRESS:

PHONE: (7)864-9789

FAX:

SAMPLED BY: AOL

SIGNATURE:

ANALYSIS REQUESTED

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs	METALS	REMARKS	No # of Containers
	PRESERVATION (See codes)										
1	SWMU 4-5 @ 3-4	7/23	3:40	✓		SO	✓	✓	✓		
2	SWMU4-5 @ 7-8		3:45	✓			✓	✓	✓		
3	SWMU 4-3 @ 3-4		4:15	✓			✓	✓	✓		
4	SWMU 4-3 @ 7-8		4:25	✓			✓	✓	✓		
5	SWMU 4-4 @ 3-4		4:45	✓			✓	✓	✓		
6	SWMU 4-4 @ 7-8		4:55	✓			✓	✓	✓		
7	SB/TW-13 @ 31-32	7/24	10:04	✓			✓	✓	✓		
8	SB/TW-15 @ 7-8'		11:11	✓			✓	✓	✓		
9	SB/TW-14 @ 32-33'		12:15	✓			✓	✓	✓		
10	SWMU4-1 @ 8-9		2:35	✓			✓	✓	✓		
11	SWMU4-1 @ 11-12'		2:45	✓			✓	✓	✓		
12	SWMU 8-1 @ 2-3'		3:00	✓			✓	✓	✓		
13	SWMU 4-2 @ 11-12'		4:10	✓			✓	✓	✓		
14	SWMU 4-2 @ 19-20'		4:20	✓			✓	✓	✓		

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:20	1: Catalya P	7/27/12 3:10pm
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC MER

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1207J12

Date: 7/25-27 Page 3 of 3

COMPANY: ENVIROTECH CONS.

ADDRESS:

PHONE: (7) 864-9789

FAX:

SAMPLED BY: ADL

SIGNATURE:

ANALYSIS REQUESTED: VOCs, SVOCs, METALS

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SWMU G-1 @ [illegible] 11.5-12.5	7/24	4:59	+		SO	+		
2	SB/TW-16 @ 26-27	7/25	2:40	+			+		
3	SB/TW-20 @ 28-29		4:00						
4	SWMU G-4 @ 11-12		5:15						
5	SWMU G-4 @ 27-28		5:20						
6	SWMU G-3 @ 7-8	7/26	8:55						
7	SWMU G-3 @ 19-20		9:00						
8	SWMU G-2 @ 11-12		9:30						
9	SB/TW-[illegible]19 @ [illegible] 15-16		10:45						
10	SB/TW-19 @ 35-36		10:55						
11	SB/TW-17 @ 17-18		11:45						
12	SB/TW-21 @ 26-27		2:55						
13	SB/TW-22 @ 19-20		3:50						
14	SB/TW-23 @ 35-36	7/27	9:00						

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/27 3:40	1: Latoya P	7/27/12 3:19pm
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: LO.C MER

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers

Turnaround Time Request

- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1207J12

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Three sodium bisulfate vials and no methanol vial received for sample " SB/BK-1@3-4'". One sodium bisulfate and two methanol vials were received for sample "SB/BK-1@11-12'". Samples were logged in per analysis requested on COC.

Semi-volatile Organics Analysis by Method 8270D:

Percent recovery for the surrogate spiking compound 4-Terphenyl-d14 on the LCS sample for Batch 164483 was outside control limits biased high. All target analytes, other MB and LCS surrogate recoveries were within control limits and data was not affected.

Due to sample matrix, sample 1207J12-10c, -11c, -12c, -13c, -21c, -27c, -30c, -31c, -32c, -33c, -34c, -37c, -38c, -41c required dilution during preparation and/or analysis resulting in elevated reporting limits.

Percent recovery for the internal standard compound Napthalene-d8 and phenanthrne-d10 on sample 1207J12-033C was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compounds 1,4-Difluorobenzene and Chlorobenzene-d5 on sample 1207J12-038A & -040A was outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1207J12-021A was outside control limits biased low due to suspected matrix interference.

Percent recovery for all the internal standard compounds on sample 1207J12-039A was outside control limits biased low due to suspected matrix interference.

Due to sample matrix, sample 1207J12-011A,019A,029A, -031A, -032A, -033A, -034A & -041A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012
Lab ID:	1207J12-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
2-Butanone	BRL	62		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,1,1-Trichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Benzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Toluene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Ethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
o-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Styrene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,3,5-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
1,2,4-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:33	JE
Surr: 4-Bromofluorobenzene	97.7	56.5-134		%REC	164657	1	08/02/2012 03:33	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 03:33	JE
Surr: Toluene-d8	97.4	77.1-117		%REC	164657	1	08/02/2012 03:33	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Methylnaphthalene	590	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Acenaphthene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Anthracene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benz(a)anthracene	520	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(a)pyrene	520	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(b)fluoranthene	950	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Benzo(k)fluoranthene	430	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Carbazole	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Chrysene	850	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Fluoranthene	760	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012
Lab ID:	1207J12-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Naphthalene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Phenanthrene	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Phenol	BRL	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Pyrene	770	420		ug/Kg-dry	164483	1	08/01/2012 16:13	YH
Surr: 4-Terphenyl-d14	109	50.1-123		%REC	164483	1	08/01/2012 16:13	YH
Surr: Nitrobenzene-d5	74.3	37.5-120		%REC	164483	1	08/01/2012 16:13	YH
Surr: Phenol-d5	72.3	39-120		%REC	164483	1	08/01/2012 16:13	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Barium	79.0	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Cadmium	BRL	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Chromium	76.4	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Cobalt	12.2	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Copper	49.5	2.93		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Lead	39.3	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Nickel	13.6	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Selenium	BRL	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Vanadium	147	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
Zinc	63.1	5.87		mg/Kg-dry	164508	1	07/31/2012 19:41	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:38:00 AM
Lab ID:	1207J12-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
2-Butanone	BRL	62		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,1,1-Trichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Benzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Toluene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Ethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
o-Xylene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Styrene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,3,5-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
1,2,4-Trimethylbenzene	BRL	6.2		ug/Kg-dry	164657	1	08/02/2012 03:59	JE
Surr: 4-Bromofluorobenzene	97.1	56.5-134		%REC	164657	1	08/02/2012 03:59	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 03:59	JE
Surr: Toluene-d8	99.1	77.1-117		%REC	164657	1	08/02/2012 03:59	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Acenaphthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Carbazole	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Chrysene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:38:00 AM
Lab ID:	1207J12-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Naphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Phenanthrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Phenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 16:40	YH
Surr: 4-Terphenyl-d14	104	50.1-123		%REC	164483	1	08/01/2012 16:40	YH
Surr: Nitrobenzene-d5	64.4	37.5-120		%REC	164483	1	08/01/2012 16:40	YH
Surr: Phenol-d5	62.4	39-120		%REC	164483	1	08/01/2012 16:40	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Barium	35.9	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Cadmium	BRL	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Chromium	97.4	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Cobalt	20.9	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Copper	16.2	3.03		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Lead	52.5	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Nickel	13.2	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Selenium	BRL	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Vanadium	87.5	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
Zinc	16.6	6.05		mg/Kg-dry	164508	1	07/31/2012 19:45	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@15-16
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:40:00 AM
Lab ID:	1207J12-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Acetone	BRL	170		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
2-Butanone	BRL	83		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,1,1-Trichloroethane	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Benzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,2-Dichloroethane	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Trichloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Toluene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Tetrachloroethene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Ethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
m,p-Xylene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
o-Xylene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Styrene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,3,5-Trimethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
1,2,4-Trimethylbenzene	BRL	8.3		ug/Kg-dry	164657	1	08/02/2012 04:24	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164657	1	08/02/2012 04:24	JE
Surr: Dibromofluoromethane	108	71.8-135		%REC	164657	1	08/02/2012 04:24	JE
Surr: Toluene-d8	98.7	77.1-117		%REC	164657	1	08/02/2012 04:24	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4,6-Trichlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4-Dimethylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2,4-Dinitrophenol	BRL	2700		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Chlorophenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Methylnaphthalene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
2-Methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
3,4-Methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
4-Chloro-3-methylphenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Acenaphthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Acenaphthylene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benz(a)anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(a)pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(b)fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Benzo(k)fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Carbazole	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Chrysene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Dibenz(a,h)anthracene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Dibenzofuran	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Fluoranthene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-2@15-16
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 9:40:00 AM
Lab ID:	1207J12-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Indeno(1,2,3-cd)pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Naphthalene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Pentachlorophenol	BRL	2700		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Phenanthrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Phenol	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Pyrene	BRL	530		ug/Kg-dry	164483	1	08/01/2012 17:07	YH
Surr: 4-Terphenyl-d14	96.8	50.1-123		%REC	164483	1	08/01/2012 17:07	YH
Surr: Nitrobenzene-d5	61.7	37.5-120		%REC	164483	1	08/01/2012 17:07	YH
Surr: Phenol-d5	61.2	39-120		%REC	164483	1	08/01/2012 17:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Barium	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Cadmium	BRL	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Chromium	25.9	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Cobalt	6.35	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Copper	54.9	3.70		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Lead	8.87	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Nickel	18.3	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Selenium	BRL	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Vanadium	213	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
Zinc	18.3	7.40		mg/Kg-dry	164508	1	07/31/2012 19:48	MR
PERCENT MOISTURE D2216								
Percent Moisture	37.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:10:00 AM
Lab ID:	1207J12-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Acetone	BRL	100		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
2-Butanone	BRL	50		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,1,1-Trichloroethane	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Benzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,2-Dichloroethane	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Trichloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Toluene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Tetrachloroethene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Ethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
m,p-Xylene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
o-Xylene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Styrene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,3,5-Trimethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
1,2,4-Trimethylbenzene	BRL	5.0		ug/Kg-dry	164657	1	08/02/2012 04:50	JE
Surr: 4-Bromofluorobenzene	96.7	56.5-134		%REC	164657	1	08/02/2012 04:50	JE
Surr: Dibromofluoromethane	107	71.8-135		%REC	164657	1	08/02/2012 04:50	JE
Surr: Toluene-d8	97	77.1-117		%REC	164657	1	08/02/2012 04:50	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Acenaphthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Carbazole	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Chrysene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:10:00 AM
Lab ID:	1207J12-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Naphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Phenanthrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Phenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 17:34	YH
Surr: 4-Terphenyl-d14	105	50.1-123		%REC	164483	1	08/01/2012 17:34	YH
Surr: Nitrobenzene-d5	70.3	37.5-120		%REC	164483	1	08/01/2012 17:34	YH
Surr: Phenol-d5	67.7	39-120		%REC	164483	1	08/01/2012 17:34	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Barium	24.2	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Cadmium	BRL	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Chromium	91.9	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Cobalt	9.17	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Copper	14.8	3.26		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Lead	19.6	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Nickel	17.5	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Selenium	BRL	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Vanadium	43.7	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
Zinc	14.2	6.52		mg/Kg-dry	164508	1	07/31/2012 19:52	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:30:00 AM
Lab ID:	1207J12-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
2-Butanone	BRL	61		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Benzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Trichloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Toluene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Tetrachloroethene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Ethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
m,p-Xylene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
o-Xylene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Styrene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,3,5-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
1,2,4-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164657	1	08/02/2012 05:15	JE
Surr: 4-Bromofluorobenzene	97.1	56.5-134		%REC	164657	1	08/02/2012 05:15	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164657	1	08/02/2012 05:15	JE
Surr: Toluene-d8	95.2	77.1-117		%REC	164657	1	08/02/2012 05:15	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Acenaphthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Carbazole	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Chrysene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Fluoranthene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:30:00 AM
Lab ID:	1207J12-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Naphthalene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Phenanthrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Phenol	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Pyrene	BRL	450		ug/Kg-dry	164483	1	08/01/2012 18:00	YH
Surr: 4-Terphenyl-d14	103	50.1-123		%REC	164483	1	08/01/2012 18:00	YH
Surr: Nitrobenzene-d5	66	37.5-120		%REC	164483	1	08/01/2012 18:00	YH
Surr: Phenol-d5	62.9	39-120		%REC	164483	1	08/01/2012 18:00	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Barium	85.6	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Cadmium	BRL	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Chromium	56.6	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Cobalt	10.5	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Copper	146	3.16		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Lead	13.1	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Nickel	11.5	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Selenium	BRL	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Vanadium	164	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
Zinc	52.3	6.32		mg/Kg-dry	164508	1	07/31/2012 19:55	MR
PERCENT MOISTURE D2216								
Percent Moisture	27.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@15-16'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:40:00 AM
Lab ID:	1207J12-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Acetone	BRL	130		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
2-Butanone	BRL	63		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,1,1-Trichloroethane	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Benzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,2-Dichloroethane	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Trichloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Toluene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Tetrachloroethene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Ethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
m,p-Xylene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
o-Xylene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Styrene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,3,5-Trimethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
1,2,4-Trimethylbenzene	BRL	6.3		ug/Kg-dry	164657	1	08/02/2012 05:40	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164657	1	08/02/2012 05:40	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164657	1	08/02/2012 05:40	JE
Surr: Toluene-d8	96.9	77.1-117		%REC	164657	1	08/02/2012 05:40	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Acenaphthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Carbazole	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Chrysene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Fluoranthene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-3@15-16'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 10:40:00 AM
Lab ID:	1207J12-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Naphthalene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Phenanthrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Phenol	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Pyrene	BRL	430		ug/Kg-dry	164483	1	08/01/2012 18:27	YH
Surr: 4-Terphenyl-d14	90.9	50.1-123		%REC	164483	1	08/01/2012 18:27	YH
Surr: Nitrobenzene-d5	57.9	37.5-120		%REC	164483	1	08/01/2012 18:27	YH
Surr: Phenol-d5	59.2	39-120		%REC	164483	1	08/01/2012 18:27	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Barium	103	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Cadmium	BRL	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Chromium	80.0	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Cobalt	17.7	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Copper	61.8	3.17		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Lead	14.1	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Nickel	65.0	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Selenium	BRL	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Vanadium	172	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
Zinc	19.1	6.33		mg/Kg-dry	164508	1	07/31/2012 19:59	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:00:00 AM
Lab ID:	1207J12-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Acetone	BRL	120		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
2-Butanone	BRL	59		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,1,1-Trichloroethane	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Benzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,2-Dichloroethane	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Trichloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Toluene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Tetrachloroethene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Ethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
m,p-Xylene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
o-Xylene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Styrene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,3,5-Trimethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
1,2,4-Trimethylbenzene	BRL	5.9		ug/Kg-dry	164657	1	08/02/2012 06:05	JE
Surr: 4-Bromofluorobenzene	98.5	56.5-134		%REC	164657	1	08/02/2012 06:05	JE
Surr: Dibromofluoromethane	109	71.8-135		%REC	164657	1	08/02/2012 06:05	JE
Surr: Toluene-d8	99.5	77.1-117		%REC	164657	1	08/02/2012 06:05	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4,6-Trichlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4-Dimethylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2,4-Dinitrophenol	BRL	2500		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Chlorophenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Methylnaphthalene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
2-Methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
3,4-Methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
4-Chloro-3-methylphenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Acenaphthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Acenaphthylene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benz(a)anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(a)pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(b)fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Benzo(k)fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Carbazole	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Chrysene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Dibenz(a,h)anthracene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Dibenzofuran	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Fluoranthene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@1'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:00:00 AM
Lab ID:	1207J12-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Indeno(1,2,3-cd)pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Naphthalene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Pentachlorophenol	BRL	2500		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Phenanthrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Phenol	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Pyrene	BRL	480		ug/Kg-dry	164483	1	08/01/2012 18:53	YH
Surr: 4-Terphenyl-d14	104	50.1-123		%REC	164483	1	08/01/2012 18:53	YH
Surr: Nitrobenzene-d5	69.8	37.5-120		%REC	164483	1	08/01/2012 18:53	YH
Surr: Phenol-d5	67.5	39-120		%REC	164483	1	08/01/2012 18:53	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Barium	14.9	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Cadmium	BRL	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Chromium	122	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Cobalt	6.87	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Copper	40.6	3.55		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Lead	25.8	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Nickel	17.9	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Selenium	BRL	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Vanadium	151	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
Zinc	33.5	7.10		mg/Kg-dry	164508	1	07/31/2012 20:08	MR
PERCENT MOISTURE D2216								
Percent Moisture	30.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:10:00 AM
Lab ID:	1207J12-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Acetone	BRL	97		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
2-Butanone	BRL	48		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,1,1-Trichloroethane	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Benzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,2-Dichloroethane	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Trichloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Toluene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Tetrachloroethene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Ethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
m,p-Xylene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
o-Xylene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Styrene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,3,5-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
1,2,4-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164607	1	08/02/2012 21:21	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164607	1	08/02/2012 21:21	JE
Surr: Dibromofluoromethane	99.5	71.8-135		%REC	164607	1	08/02/2012 21:21	JE
Surr: Toluene-d8	95.1	77.1-117		%REC	164607	1	08/02/2012 21:21	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
2-Methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Acenaphthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Acenaphthylene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Carbazole	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Chrysene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Dibenzofuran	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Fluoranthene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:10:00 AM
Lab ID:	1207J12-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Naphthalene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Phenanthrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Phenol	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Pyrene	BRL	390		ug/Kg-dry	164483	1	08/01/2012 19:19	YH
Surr: 4-Terphenyl-d14	109	50.1-123		%REC	164483	1	08/01/2012 19:19	YH
Surr: Nitrobenzene-d5	70.6	37.5-120		%REC	164483	1	08/01/2012 19:19	YH
Surr: Phenol-d5	65.6	39-120		%REC	164483	1	08/01/2012 19:19	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Barium	83.0	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Cadmium	BRL	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Chromium	58.1	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Cobalt	7.73	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Copper	56.7	2.68		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Lead	32.7	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Nickel	17.9	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Selenium	BRL	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Vanadium	109	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
Zinc	61.1	5.37		mg/Kg-dry	164508	1	07/31/2012 20:12	MR
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:20:00 AM
Lab ID:	1207J12-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Acetone	BRL	92		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
2-Butanone	BRL	46		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Benzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Toluene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Styrene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 20:56	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164607	1	08/02/2012 20:56	JE
Surr: Dibromofluoromethane	98.3	71.8-135		%REC	164607	1	08/02/2012 20:56	JE
Surr: Toluene-d8	98.3	77.1-117		%REC	164607	1	08/02/2012 20:56	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
2-Methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
3,4-Methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Acenaphthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Acenaphthylene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Carbazole	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Chrysene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Dibenzofuran	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Fluoranthene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/BK-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 11:20:00 AM
Lab ID:	1207J12-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Naphthalene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Phenanthrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Phenol	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Pyrene	BRL	400		ug/Kg-dry	164540	1	08/03/2012 13:56	YH
Surr: 4-Terphenyl-d14	64.3	50.1-123		%REC	164540	1	08/03/2012 13:56	YH
Surr: Nitrobenzene-d5	39.1	37.5-120		%REC	164540	1	08/03/2012 13:56	YH
Surr: Phenol-d5	41.3	39-120		%REC	164540	1	08/03/2012 13:56	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Barium	31.4	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Cadmium	BRL	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Chromium	218	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Cobalt	8.77	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Copper	46.7	3.02		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Lead	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Nickel	25.3	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Selenium	BRL	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Vanadium	95.2	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
Zinc	30.8	6.04		mg/Kg-dry	164508	1	07/31/2012 20:15	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1@2-3
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:11:00 PM
Lab ID:	1207J12-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Acetone	300	200		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
2-Butanone	BRL	100		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,1,1-Trichloroethane	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Benzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,2-Dichloroethane	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Trichloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Toluene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Tetrachloroethene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Ethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
m,p-Xylene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
o-Xylene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Styrene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,3,5-Trimethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
1,2,4-Trimethylbenzene	BRL	10		ug/Kg-dry	164657	1	08/02/2012 06:30	JE
Surr: 4-Bromofluorobenzene	90.5	56.5-134		%REC	164657	1	08/02/2012 06:30	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164657	1	08/02/2012 06:30	JE
Surr: Toluene-d8	97.9	77.1-117		%REC	164657	1	08/02/2012 06:30	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4,6-Trichlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4-Dimethylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2,4-Dinitrophenol	BRL	17000		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Chlorophenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Methylnaphthalene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
2-Methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
3,4-Methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
4-Chloro-3-methylphenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Acenaphthene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Acenaphthylene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Anthracene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benz(a)anthracene	12000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(a)pyrene	19000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(b)fluoranthene	28000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Benzo(k)fluoranthene	31000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Carbazole	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Chrysene	18000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Dibenz(a,h)anthracene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Dibenzofuran	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Fluoranthene	15000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU1-1@2-3
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:11:00 PM
Lab ID:	1207J12-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Indeno(1,2,3-cd)pyrene	8800	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Naphthalene	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Pentachlorophenol	BRL	17000		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Phenanthrene	4300	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Phenol	BRL	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Pyrene	12000	3200		ug/Kg-dry	164540	5	08/03/2012 15:16	YH
Surr: 4-Terphenyl-d14	69	50.1-123		%REC	164540	5	08/03/2012 15:16	YH
Surr: Nitrobenzene-d5	44.7	37.5-120		%REC	164540	5	08/03/2012 15:16	YH
Surr: Phenol-d5	46.6	39-120		%REC	164540	5	08/03/2012 15:16	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	25.9	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Barium	157	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Cadmium	BRL	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Chromium	610	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Cobalt	9.54	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Copper	179	4.54		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Lead	64.0	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Nickel	22.2	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Selenium	BRL	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Vanadium	154	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
Zinc	3780	9.08		mg/Kg-dry	164508	1	07/31/2012 20:19	MR
PERCENT MOISTURE D2216								
Percent Moisture	48.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@1-2'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:45:00 PM
Lab ID:	1207J12-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Acetone	BRL	670000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
2-Butanone	BRL	330000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,1,1-Trichloroethane	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Benzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,2-Dichloroethane	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Trichloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Toluene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Tetrachloroethene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Ethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
m,p-Xylene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
o-Xylene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Styrene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,3,5-Trimethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
1,2,4-Trimethylbenzene	BRL	33000		ug/Kg-dry	164752	5000	08/06/2012 17:12	NP
Surr: 4-Bromofluorobenzene	94.5	56.5-134		%REC	164752	5000	08/06/2012 17:12	NP
Surr: Dibromofluoromethane	109	71.8-135		%REC	164752	5000	08/06/2012 17:12	NP
Surr: Toluene-d8	90.7	77.1-117		%REC	164752	5000	08/06/2012 17:12	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	26000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
2-Methylnaphthalene	180000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Acenaphthene	110000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Acenaphthylene	3700	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Anthracene	300000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benz(a)anthracene	70000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benzo(a)pyrene	18000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Benzo(b)fluoranthene	62000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Benzo(k)fluoranthene	14000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Carbazole	150000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Chrysene	78000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Dibenzofuran	180000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Fluoranthene	440000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@1-2'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:45:00 PM
Lab ID:	1207J12-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	91000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Indeno(1,2,3-cd)pyrene	8000	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Naphthalene	380000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Pentachlorophenol	BRL	1100000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Phenanthrene	740000	210000		ug/Kg-dry	164540	500	08/06/2012 13:46	YH
Phenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 16:36	YH
Pyrene	250000	21000		ug/Kg-dry	164540	50	08/04/2012 00:00	YH
Surr: 4-Terphenyl-d14	0	50.1-123	S	%REC	164540	5	08/03/2012 16:36	YH
Surr: Nitrobenzene-d5	56.7	37.5-120		%REC	164540	5	08/03/2012 16:36	YH
Surr: Phenol-d5	36.9	39-120	S	%REC	164540	5	08/03/2012 16:36	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	65.8	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Barium	101	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Cadmium	BRL	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Chromium	228	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Cobalt	7.17	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Copper	60.5	3.05		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Lead	35.3	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Nickel	12.9	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Selenium	BRL	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Vanadium	125	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
Zinc	1060	6.09		mg/Kg-dry	164508	1	07/31/2012 20:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:51:00 PM
Lab ID:	1207J12-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Acetone	BRL	79		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
2-Butanone	BRL	40		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Benzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Toluene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Ethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
m,p-Xylene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
o-Xylene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Styrene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,3,5-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
1,2,4-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164657	1	08/02/2012 06:55	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	164657	1	08/02/2012 06:55	JE
Surr: Dibromofluoromethane	111	71.8-135		%REC	164657	1	08/02/2012 06:55	JE
Surr: Toluene-d8	98.9	77.1-117		%REC	164657	1	08/02/2012 06:55	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	2800	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4,6-Trichlorophenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4-Dimethylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2,4-Dinitrophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Chlorophenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Methylnaphthalene	10000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
2-Methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
3,4-Methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
4-Chloro-3-methylphenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Acenaphthene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Acenaphthylene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Anthracene	74000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Benz(a)anthracene	7400	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(a)pyrene	3100	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(b)fluoranthene	6500	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Benzo(k)fluoranthene	2800	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Carbazole	17000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Chrysene	12000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Dibenz(a,h)anthracene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Dibenzofuran	11000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Fluoranthene	44000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-3@3-4'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:51:00 PM
Lab ID:	1207J12-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	6100	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Indeno(1,2,3-cd)pyrene	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Naphthalene	4500	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Pentachlorophenol	120000	100000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Phenanthrene	63000	19000		ug/Kg-dry	164540	50	08/04/2012 00:25	YH
Phenol	BRL	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Pyrene	23000	1900		ug/Kg-dry	164540	5	08/03/2012 17:02	YH
Surr: 4-Terphenyl-d14	48.6	50.1-123	S	%REC	164540	5	08/03/2012 17:02	YH
Surr: Nitrobenzene-d5	33.4	37.5-120	S	%REC	164540	5	08/03/2012 17:02	YH
Surr: Phenol-d5	33.4	39-120	S	%REC	164540	5	08/03/2012 17:02	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	115	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Barium	70.9	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Cadmium	BRL	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Chromium	353	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Cobalt	6.50	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Copper	58.1	2.79		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Lead	26.0	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Nickel	14.4	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Selenium	BRL	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Vanadium	141	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
Zinc	2230	5.58		mg/Kg-dry	164508	1	07/31/2012 20:26	MR
PERCENT MOISTURE D2216								
Percent Moisture	14.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:22:00 PM
Lab ID:	1207J12-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Acetone	290	92		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
2-Butanone	BRL	46		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Benzene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Toluene	8.4	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Ethylbenzene	44	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
m,p-Xylene	75	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
o-Xylene	52	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
Styrene	BRL	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,3,5-Trimethylbenzene	130	4.6		ug/Kg-dry	164607	1	08/02/2012 07:20	JE
1,2,4-Trimethylbenzene	3400	250		ug/Kg-dry	164752	50	08/04/2012 07:24	NP
Surr: 4-Bromofluorobenzene	94.2	56.5-134		%REC	164752	50	08/04/2012 07:24	NP
Surr: 4-Bromofluorobenzene	98.9	56.5-134		%REC	164607	1	08/02/2012 07:20	JE
Surr: Dibromofluoromethane	90.9	71.8-135		%REC	164752	50	08/04/2012 07:24	NP
Surr: Dibromofluoromethane	106	71.8-135		%REC	164607	1	08/02/2012 07:20	JE
Surr: Toluene-d8	95.1	77.1-117		%REC	164752	50	08/04/2012 07:24	NP
Surr: Toluene-d8	96	77.1-117		%REC	164607	1	08/02/2012 07:20	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	23000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
2-Methylnaphthalene	38000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Acenaphthene	53000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Acenaphthylene	2800	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Anthracene	95000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Benz(a)anthracene	26000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(a)pyrene	12000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(b)fluoranthene	21000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Benzo(k)fluoranthene	6400	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Carbazole	33000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Chrysene	30000	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 2:22:00 PM
Lab ID:	1207J12-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Dibenzofuran	39000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Fluoranthene	120000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Fluorene	57000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Indeno(1,2,3-cd)pyrene	4800	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Naphthalene	63000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Pentachlorophenol	BRL	1100000		ug/Kg-dry	164540	500	08/06/2012 14:14	YH
Phenanthrene	160000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Phenol	BRL	2100		ug/Kg-dry	164540	5	08/03/2012 17:41	YH
Pyrene	68000	21000		ug/Kg-dry	164540	50	08/04/2012 00:51	YH
Surr: 4-Terphenyl-d14	78.5	50.1-123		%REC	164540	5	08/03/2012 17:41	YH
Surr: Nitrobenzene-d5	56.7	37.5-120		%REC	164540	5	08/03/2012 17:41	YH
Surr: Phenol-d5	52.8	39-120		%REC	164540	5	08/03/2012 17:41	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	103	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Barium	73.6	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Cadmium	BRL	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Chromium	550	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Cobalt	6.15	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Copper	57.3	3.05		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Lead	46.9	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Nickel	10.5	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Selenium	BRL	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Vanadium	104	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
Zinc	1730	6.10		mg/Kg-dry	164508	1	07/31/2012 20:29	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:00:00 PM
Lab ID:	1207J12-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Acetone	BRL	100		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
2-Butanone	BRL	52		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,1,1-Trichloroethane	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Benzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,2-Dichloroethane	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Trichloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Toluene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Tetrachloroethene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Ethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
m,p-Xylene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
o-Xylene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Styrene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,3,5-Trimethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
1,2,4-Trimethylbenzene	BRL	5.2		ug/Kg-dry	164607	1	08/02/2012 21:46	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164607	1	08/02/2012 21:46	JE
Surr: Dibromofluoromethane	99.2	71.8-135		%REC	164607	1	08/02/2012 21:46	JE
Surr: Toluene-d8	96.1	77.1-117		%REC	164607	1	08/02/2012 21:46	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Acenaphthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Carbazole	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Chrysene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 1-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:00:00 PM
Lab ID:	1207J12-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Naphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Phenanthrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Phenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 10:58	YH
Surr: 4-Terphenyl-d14	54.4	50.1-123		%REC	164540	1	08/03/2012 10:58	YH
Surr: Nitrobenzene-d5	46.5	37.5-120		%REC	164540	1	08/03/2012 10:58	YH
Surr: Phenol-d5	46.6	39-120		%REC	164540	1	08/03/2012 10:58	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Barium	57.4	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Cadmium	BRL	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Chromium	83.1	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Cobalt	11.5	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Copper	83.5	2.96		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Lead	9.73	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Nickel	8.74	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Selenium	BRL	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Vanadium	112	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
Zinc	50.9	5.92		mg/Kg-dry	164508	1	07/31/2012 20:33	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:40:00 PM
Lab ID:	1207J12-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Acetone	BRL	97		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
2-Butanone	BRL	48		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,1,1-Trichloroethane	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Benzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,2-Dichloroethane	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Trichloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Toluene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Tetrachloroethene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Ethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
m,p-Xylene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
o-Xylene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Styrene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,3,5-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
1,2,4-Trimethylbenzene	BRL	4.8		ug/Kg-dry	164775	1	08/03/2012 23:14	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 23:14	JE
Surr: Dibromofluoromethane	97.2	71.8-135		%REC	164775	1	08/03/2012 23:14	JE
Surr: Toluene-d8	101	77.1-117		%REC	164775	1	08/03/2012 23:14	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Acenaphthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Carbazole	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Chrysene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:40:00 PM
Lab ID:	1207J12-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Naphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Phenanthrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 11:25	YH
Surr: 4-Terphenyl-d14	85	50.1-123		%REC	164540	1	08/03/2012 11:25	YH
Surr: Nitrobenzene-d5	69.4	37.5-120		%REC	164540	1	08/03/2012 11:25	YH
Surr: Phenol-d5	66.9	39-120		%REC	164540	1	08/03/2012 11:25	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Barium	11.3	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Cadmium	BRL	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Chromium	48.0	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Cobalt	3.55	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Copper	28.7	3.08		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Lead	14.1	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Nickel	8.43	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Selenium	BRL	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Vanadium	124	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
Zinc	48.4	6.16		mg/Kg-dry	164508	1	07/31/2012 20:37	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:45:00 PM
Lab ID:	1207J12-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Acetone	BRL	110		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
2-Butanone	BRL	53		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Benzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Trichloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Toluene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Tetrachloroethene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Ethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
m,p-Xylene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
o-Xylene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Styrene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,3,5-Trimethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
1,2,4-Trimethylbenzene	BRL	5.3		ug/Kg-dry	164607	1	08/02/2012 22:37	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164607	1	08/02/2012 22:37	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164607	1	08/02/2012 22:37	JE
Surr: Toluene-d8	97.2	77.1-117		%REC	164607	1	08/02/2012 22:37	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Chlorophenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Methylnaphthalene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
2-Methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
3,4-Methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Acenaphthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Acenaphthylene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benz(a)anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(a)pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Carbazole	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Chrysene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Dibenzofuran	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Fluoranthene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-5@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 3:45:00 PM
Lab ID:	1207J12-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Naphthalene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Phenanthrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Phenol	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Pyrene	BRL	460		ug/Kg-dry	164540	1	08/03/2012 11:52	YH
Surr: 4-Terphenyl-d14	72.4	50.1-123		%REC	164540	1	08/03/2012 11:52	YH
Surr: Nitrobenzene-d5	55.6	37.5-120		%REC	164540	1	08/03/2012 11:52	YH
Surr: Phenol-d5	56.8	39-120		%REC	164540	1	08/03/2012 11:52	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Barium	38.3	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Cadmium	BRL	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Chromium	25.6	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Cobalt	6.73	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Copper	31.2	3.32		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Lead	16.9	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Nickel	17.1	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Selenium	BRL	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Vanadium	67.9	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
Zinc	28.8	6.65		mg/Kg-dry	164508	1	07/31/2012 20:40	MR
PERCENT MOISTURE D2216								
Percent Moisture	28.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:15:00 PM
Lab ID:	1207J12-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Acetone	BRL	99		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
2-Butanone	BRL	49		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,1,1-Trichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Benzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,2-Dichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Trichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Toluene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Tetrachloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Ethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
m,p-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
o-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Styrene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,3,5-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
1,2,4-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/02/2012 23:03	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164607	1	08/02/2012 23:03	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164607	1	08/02/2012 23:03	JE
Surr: Toluene-d8	96.5	77.1-117		%REC	164607	1	08/02/2012 23:03	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1200	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Acenaphthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Carbazole	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Chrysene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:15:00 PM
Lab ID:	1207J12-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Naphthalene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Phenanthrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 12:20	YH
Surr: 4-Terphenyl-d14	79.3	50.1-123		%REC	164540	1	08/03/2012 12:20	YH
Surr: Nitrobenzene-d5	62	37.5-120		%REC	164540	1	08/03/2012 12:20	YH
Surr: Phenol-d5	64.4	39-120		%REC	164540	1	08/03/2012 12:20	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Barium	20.2	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Cadmium	BRL	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Chromium	47.1	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Cobalt	4.25	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Copper	34.8	3.03		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Lead	13.5	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Nickel	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Selenium	BRL	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Vanadium	138	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
Zinc	20.5	6.06		mg/Kg-dry	164508	1	07/31/2012 20:49	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:25:00 PM
Lab ID:	1207J12-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Acetone	BRL	120		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
2-Butanone	BRL	61		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Benzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Trichloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Toluene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Tetrachloroethene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Ethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
m,p-Xylene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
o-Xylene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Styrene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,3,5-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
1,2,4-Trimethylbenzene	BRL	6.1		ug/Kg-dry	164607	1	08/02/2012 23:28	JE
Surr: 4-Bromofluorobenzene	101	56.5-134		%REC	164607	1	08/02/2012 23:28	JE
Surr: Dibromofluoromethane	97.8	71.8-135		%REC	164607	1	08/02/2012 23:28	JE
Surr: Toluene-d8	96.2	77.1-117		%REC	164607	1	08/02/2012 23:28	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4,6-Trichlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4-Dimethylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Chlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Methylnaphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
2-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
3,4-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
4-Chloro-3-methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Acenaphthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Acenaphthylene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benz(a)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(a)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(b)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Benzo(k)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Carbazole	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Chrysene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Dibenz(a,h)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Dibenzofuran	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:25:00 PM
Lab ID:	1207J12-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Indeno(1,2,3-cd)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Naphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Phenanthrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Phenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 16:54	YH
Surr: 4-Terphenyl-d14	85.1	50.1-123		%REC	164540	1	08/03/2012 16:54	YH
Surr: Nitrobenzene-d5	69.7	37.5-120		%REC	164540	1	08/03/2012 16:54	YH
Surr: Phenol-d5	69.4	39-120		%REC	164540	1	08/03/2012 16:54	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Barium	210	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Cadmium	BRL	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Chromium	74.4	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Cobalt	10.6	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Copper	92.9	3.49		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Lead	38.7	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Nickel	22.6	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Selenium	BRL	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Vanadium	127	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
Zinc	74.0	6.98		mg/Kg-dry	164508	1	07/31/2012 20:53	MR
PERCENT MOISTURE D2216								
Percent Moisture	29.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:45:00 PM
Lab ID:	1207J12-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Acetone	BRL	4900		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
2-Butanone	BRL	2500		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,1,1-Trichloroethane	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Benzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,2-Dichloroethane	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Trichloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Toluene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Tetrachloroethene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Ethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
m,p-Xylene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
o-Xylene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Styrene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,3,5-Trimethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
1,2,4-Trimethylbenzene	BRL	250		ug/Kg-dry	164775	50	08/06/2012 19:08	NP
Surr: 4-Bromofluorobenzene	97.6	56.5-134		%REC	164775	50	08/06/2012 19:08	NP
Surr: Dibromofluoromethane	108	71.8-135		%REC	164775	50	08/06/2012 19:08	NP
Surr: Toluene-d8	91.7	77.1-117		%REC	164775	50	08/06/2012 19:08	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Acenaphthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Carbazole	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Chrysene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@3-4
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:45:00 PM
Lab ID:	1207J12-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Naphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Phenanthrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Phenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:08	YH
Surr: 4-Terphenyl-d14	85.6	50.1-123		%REC	164540	1	08/03/2012 19:08	YH
Surr: Nitrobenzene-d5	69.2	37.5-120		%REC	164540	1	08/03/2012 19:08	YH
Surr: Phenol-d5	70.6	39-120		%REC	164540	1	08/03/2012 19:08	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Barium	85.7	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Cadmium	BRL	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Chromium	99.1	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Cobalt	7.62	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Copper	45.5	3.14		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Lead	32.8	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Nickel	9.71	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Selenium	BRL	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Vanadium	92.3	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
Zinc	121	6.28		mg/Kg-dry	164508	1	07/31/2012 20:56	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.0	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:55:00 PM
Lab ID:	1207J12-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Acetone	120	98		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
2-Butanone	BRL	49		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,1,1-Trichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Benzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,2-Dichloroethane	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Trichloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Toluene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Tetrachloroethene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Ethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
m,p-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
o-Xylene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Styrene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,3,5-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
1,2,4-Trimethylbenzene	BRL	4.9		ug/Kg-dry	164607	1	08/03/2012 00:18	JE
Surr: 4-Bromofluorobenzene	99.6	56.5-134		%REC	164607	1	08/03/2012 00:18	JE
Surr: Dibromofluoromethane	98.9	71.8-135		%REC	164607	1	08/03/2012 00:18	JE
Surr: Toluene-d8	96.6	77.1-117		%REC	164607	1	08/03/2012 00:18	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Acenaphthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Carbazole	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Chrysene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Fluoranthene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-4@7-8
Project Name:	WC Meredith	**Collection Date:**	7/23/2012 4:55:00 PM
Lab ID:	1207J12-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Naphthalene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Phenanthrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Phenol	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Pyrene	BRL	450		ug/Kg-dry	164540	1	08/03/2012 19:35	YH
Surr: 4-Terphenyl-d14	70.9	50.1-123		%REC	164540	1	08/03/2012 19:35	YH
Surr: Nitrobenzene-d5	56.3	37.5-120		%REC	164540	1	08/03/2012 19:35	YH
Surr: Phenol-d5	54.6	39-120		%REC	164540	1	08/03/2012 19:35	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Barium	101	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Cadmium	BRL	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Chromium	68.9	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Cobalt	10.9	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Copper	87.5	3.21		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Lead	26.3	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Nickel	17.3	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Selenium	BRL	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Vanadium	170	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
Zinc	71.6	6.42		mg/Kg-dry	164508	1	07/31/2012 19:18	MR
PERCENT MOISTURE D2216								
Percent Moisture	26.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-13@31-32
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 10:04:00 AM
Lab ID:	1207J12-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Acetone	BRL	73		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
2-Butanone	BRL	36		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Benzene	5.6	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Trichloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Toluene	5.3	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Tetrachloroethene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Ethylbenzene	22	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
m,p-Xylene	39	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
o-Xylene	21	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Styrene	BRL	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,3,5-Trimethylbenzene	59	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
1,2,4-Trimethylbenzene	130	3.6		ug/Kg-dry	164607	1	08/03/2012 00:44	JE
Surr: 4-Bromofluorobenzene	98	56.5-134		%REC	164607	1	08/03/2012 00:44	JE
Surr: Dibromofluoromethane	106	71.8-135		%REC	164607	1	08/03/2012 00:44	JE
Surr: Toluene-d8	98.9	77.1-117		%REC	164607	1	08/03/2012 00:44	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4,6-Trichlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4-Dimethylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2,4-Dinitrophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2-Chlorophenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
2-Methylnaphthalene	180000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
2-Methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
3,4-Methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
4-Chloro-3-methylphenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Acenaphthene	200000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Acenaphthylene	3000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Anthracene	160000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benz(a)anthracene	50000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benzo(a)pyrene	21000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Benzo(b)fluoranthene	26000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Benzo(k)fluoranthene	11000	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Carbazole	70000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Chrysene	49000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Dibenz(a,h)anthracene	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Dibenzofuran	170000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Fluoranthene	290000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-13@31-32
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 10:04:00 AM
Lab ID:	1207J12-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	230000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Indeno(1,2,3-cd)pyrene	5200	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Naphthalene	470000	200000		ug/Kg-dry	164540	500	08/06/2012 18:01	YH
Pentachlorophenol	BRL	10000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Phenanthrene	750000	200000		ug/Kg-dry	164540	500	08/06/2012 18:01	YH
Phenol	BRL	2000		ug/Kg-dry	164540	5	08/03/2012 19:22	YH
Pyrene	160000	20000		ug/Kg-dry	164540	50	08/06/2012 16:32	YH
Surr: 4-Terphenyl-d14	98.4	50.1-123		%REC	164540	5	08/03/2012 19:22	YH
Surr: Nitrobenzene-d5	80.5	37.5-120		%REC	164540	5	08/03/2012 19:22	YH
Surr: Phenol-d5	62.8	39-120		%REC	164540	5	08/03/2012 19:22	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	15.4	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Barium	46.9	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Cadmium	BRL	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Chromium	74.8	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Cobalt	6.64	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Copper	19.2	2.87		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Lead	65.8	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Nickel	7.65	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Selenium	BRL	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Vanadium	29.1	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
Zinc	250	5.73		mg/Kg-dry	164509	1	08/01/2012 19:49	MR
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-15@7-8
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 11:11:00 AM
Lab ID:	1207J12-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Acetone	BRL	94		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
2-Butanone	BRL	47		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,1,1-Trichloroethane	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Benzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,2-Dichloroethane	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Trichloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Toluene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Tetrachloroethene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Ethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
m,p-Xylene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
o-Xylene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Styrene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,3,5-Trimethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
1,2,4-Trimethylbenzene	BRL	4.7		ug/Kg-dry	164775	1	08/03/2012 23:39	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 23:39	JE
Surr: Dibromofluoromethane	96.9	71.8-135		%REC	164775	1	08/03/2012 23:39	JE
Surr: Toluene-d8	99.7	77.1-117		%REC	164775	1	08/03/2012 23:39	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4,6-Trichlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4-Dimethylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Chlorophenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Methylnaphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
2-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
3,4-Methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
4-Chloro-3-methylphenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Acenaphthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Acenaphthylene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benz(a)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(a)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(b)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Benzo(k)fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Carbazole	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Chrysene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Dibenz(a,h)anthracene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Dibenzofuran	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Fluoranthene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-15@7-8
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 11:11:00 AM
Lab ID:	1207J12-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Indeno(1,2,3-cd)pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Naphthalene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Phenanthrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Phenol	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Pyrene	BRL	470		ug/Kg-dry	164540	1	08/03/2012 19:48	YH
Surr: 4-Terphenyl-d14	76.3	50.1-123		%REC	164540	1	08/03/2012 19:48	YH
Surr: Nitrobenzene-d5	52.5	37.5-120		%REC	164540	1	08/03/2012 19:48	YH
Surr: Phenol-d5	52.4	39-120		%REC	164540	1	08/03/2012 19:48	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Barium	225	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Cadmium	BRL	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Chromium	60.8	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Cobalt	14.1	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Copper	34.3	3.35		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Lead	19.8	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Nickel	25.0	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Selenium	BRL	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Vanadium	62.6	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
Zinc	84.3	6.69		mg/Kg-dry	164509	1	08/01/2012 19:53	MR
PERCENT MOISTURE D2216								
Percent Moisture	29.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-14@32-33'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 12:15:00 PM
Lab ID:	1207J12-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Acetone	BRL	80		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
2-Butanone	BRL	40		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Benzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Toluene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Ethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
m,p-Xylene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
o-Xylene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Styrene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,3,5-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
1,2,4-Trimethylbenzene	BRL	4.0		ug/Kg-dry	164607	1	08/03/2012 01:34	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164607	1	08/03/2012 01:34	JE
Surr: Dibromofluoromethane	97.5	71.8-135		%REC	164607	1	08/03/2012 01:34	JE
Surr: Toluene-d8	94.3	77.1-117		%REC	164607	1	08/03/2012 01:34	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Acenaphthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Carbazole	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Chrysene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Fluoranthene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-14@32-33'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 12:15:00 PM
Lab ID:	1207J12-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Naphthalene	4000	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Phenanthrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Phenol	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Pyrene	BRL	420		ug/Kg-dry	164540	1	08/03/2012 14:23	YH
Surr: 4-Terphenyl-d14	93.9	50.1-123		%REC	164540	1	08/03/2012 14:23	YH
Surr: Nitrobenzene-d5	60	37.5-120		%REC	164540	1	08/03/2012 14:23	YH
Surr: Phenol-d5	59.3	39-120		%REC	164540	1	08/03/2012 14:23	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Barium	97.7	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Cadmium	BRL	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Chromium	39.9	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Cobalt	4.60	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Copper	29.8	2.90		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Lead	7.73	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Nickel	10.9	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Selenium	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Vanadium	33.7	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
Zinc	60.5	5.80		mg/Kg-dry	164509	1	08/01/2012 19:57	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@8-9
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:35:00 PM
Lab ID:	1207J12-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Acetone	BRL	79		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
2-Butanone	BRL	39		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Benzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Trichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Toluene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Tetrachloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Ethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
m,p-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
o-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Styrene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,3,5-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
1,2,4-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:09	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164775	1	08/03/2012 14:09	JE
Surr: Dibromofluoromethane	104	71.8-135		%REC	164775	1	08/03/2012 14:09	JE
Surr: Toluene-d8	94.2	77.1-117		%REC	164775	1	08/03/2012 14:09	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4,6-Trichlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4-Dimethylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Chlorophenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Methylnaphthalene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
2-Methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
3,4-Methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
4-Chloro-3-methylphenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Acenaphthene	1200	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Acenaphthylene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benz(a)anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(a)pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Carbazole	490	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Chrysene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Dibenzofuran	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Fluoranthene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@8-9
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:35:00 PM
Lab ID:	1207J12-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	630	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Naphthalene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Phenanthrene	460	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Phenol	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Pyrene	BRL	440		ug/Kg-dry	164540	1	08/03/2012 14:49	YH
Surr: 4-Terphenyl-d14	87	50.1-123		%REC	164540	1	08/03/2012 14:49	YH
Surr: Nitrobenzene-d5	61	37.5-120		%REC	164540	1	08/03/2012 14:49	YH
Surr: Phenol-d5	60.3	39-120		%REC	164540	1	08/03/2012 14:49	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Barium	45.5	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Cadmium	BRL	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Chromium	52.5	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Cobalt	7.03	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Copper	17.5	3.26		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Lead	11.0	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Nickel	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Selenium	BRL	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Vanadium	49.0	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
Zinc	14.1	6.52		mg/Kg-dry	164509	1	08/01/2012 20:01	MR
PERCENT MOISTURE D2216								
Percent Moisture	25.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:25:00 PM
Lab ID:	1207J12-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Acetone	BRL	78		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
2-Butanone	BRL	39		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Benzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Trichloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Toluene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Tetrachloroethene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Ethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
m,p-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
o-Xylene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Styrene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,3,5-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
1,2,4-Trimethylbenzene	BRL	3.9		ug/Kg-dry	164775	1	08/03/2012 14:34	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164775	1	08/03/2012 14:34	JE
Surr: Dibromofluoromethane	101	71.8-135		%REC	164775	1	08/03/2012 14:34	JE
Surr: Toluene-d8	94	77.1-117		%REC	164775	1	08/03/2012 14:34	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Acenaphthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Carbazole	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Chrysene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Fluoranthene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-1@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 2:25:00 PM
Lab ID:	1207J12-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Naphthalene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Phenanthrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Phenol	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Pyrene	BRL	430		ug/Kg-dry	164540	1	08/03/2012 15:43	YH
Surr: 4-Terphenyl-d14	68.7	50.1-123		%REC	164540	1	08/03/2012 15:43	YH
Surr: Nitrobenzene-d5	47.5	37.5-120		%REC	164540	1	08/03/2012 15:43	YH
Surr: Phenol-d5	47.9	39-120		%REC	164540	1	08/03/2012 15:43	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Barium	29.5	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Cadmium	BRL	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Chromium	147	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Cobalt	5.77	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Copper	41.1	3.04		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Lead	17.3	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Nickel	20.0	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Selenium	BRL	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Vanadium	182	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
Zinc	21.0	6.09		mg/Kg-dry	164509	1	08/01/2012 20:05	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.2	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 8-1@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 3:00:00 PM
Lab ID:	1207J12-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Acetone	BRL	84		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
2-Butanone	BRL	42		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Benzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Trichloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Toluene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Tetrachloroethene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Ethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
m,p-Xylene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
o-Xylene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Styrene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,3,5-Trimethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
1,2,4-Trimethylbenzene	BRL	4.2		ug/Kg-dry	164775	1	08/03/2012 15:00	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 15:00	JE
Surr: Dibromofluoromethane	98.4	71.8-135		%REC	164775	1	08/03/2012 15:00	JE
Surr: Toluene-d8	95.6	77.1-117		%REC	164775	1	08/03/2012 15:00	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
2-Methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Acenaphthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Acenaphthylene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Carbazole	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Chrysene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Dibenzofuran	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Fluoranthene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 8-1@2-3'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 3:00:00 PM
Lab ID:	1207J12-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Naphthalene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Phenanthrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Phenol	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Pyrene	BRL	390		ug/Kg-dry	164540	1	08/03/2012 16:09	YH
Surr: 4-Terphenyl-d14	60.5	50.1-123		%REC	164540	1	08/03/2012 16:09	YH
Surr: Nitrobenzene-d5	42.5	37.5-120		%REC	164540	1	08/03/2012 16:09	YH
Surr: Phenol-d5	43.9	39-120		%REC	164540	1	08/03/2012 16:09	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Barium	33.2	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Cadmium	BRL	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Chromium	68.2	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Cobalt	4.55	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Copper	39.5	2.85		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Lead	22.9	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Nickel	9.36	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Selenium	BRL	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Vanadium	165	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
Zinc	20.4	5.71		mg/Kg-dry	164509	1	08/01/2012 19:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:10:00 PM
Lab ID:	1207J12-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Acetone	110	76		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
2-Butanone	BRL	38		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Benzene	8.9	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Trichloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Toluene	65	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Tetrachloroethene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
Ethylbenzene	120	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
m,p-Xylene	2100	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
o-Xylene	1100	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
Styrene	BRL	3.8		ug/Kg-dry	164607	1	08/03/2012 03:14	JE
1,3,5-Trimethylbenzene	2300	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
1,2,4-Trimethylbenzene	5700	200		ug/Kg-dry	164752	50	08/04/2012 05:00	NP
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164752	50	08/04/2012 05:00	NP
Surr: 4-Bromofluorobenzene	120	56.5-134		%REC	164607	1	08/03/2012 03:14	JE
Surr: Dibromofluoromethane	94.6	71.8-135		%REC	164752	50	08/04/2012 05:00	NP
Surr: Dibromofluoromethane	98.4	71.8-135		%REC	164607	1	08/03/2012 03:14	JE
Surr: Toluene-d8	99.5	77.1-117		%REC	164752	50	08/04/2012 05:00	NP
Surr: Toluene-d8	102	77.1-117		%REC	164607	1	08/03/2012 03:14	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	22000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4,6-Trichlorophenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4-Dimethylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2,4-Dinitrophenol	BRL	22000		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Chlorophenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Methylnaphthalene	68000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
2-Methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
3,4-Methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
4-Chloro-3-methylphenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Acenaphthene	59000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Acenaphthylene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Anthracene	36000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benz(a)anthracene	12000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(a)pyrene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(b)fluoranthene	5700	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Benzo(k)fluoranthene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Carbazole	14000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Chrysene	13000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@11-12'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:10:00 PM
Lab ID:	1207J12-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Dibenzofuran	49000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Fluoranthene	88000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Fluorene	62000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Indeno(1,2,3-cd)pyrene	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Naphthalene	110000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Pentachlorophenol	560000	220000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Phenanthrene	150000	42000		ug/Kg-dry	164540	100	08/06/2012 23:10	YH
Phenol	BRL	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Pyrene	49000	4200		ug/Kg-dry	164540	10	08/06/2012 16:56	YH
Surr: 4-Terphenyl-d14	91.8	50.1-123		%REC	164540	10	08/06/2012 16:56	YH
Surr: Nitrobenzene-d5	65.8	37.5-120		%REC	164540	10	08/06/2012 16:56	YH
Surr: Phenol-d5	57.1	39-120		%REC	164540	10	08/06/2012 16:56	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Barium	97.8	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Cadmium	BRL	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Chromium	68.1	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Cobalt	12.4	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Copper	53.6	3.08		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Lead	81.9	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Nickel	14.0	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Selenium	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Vanadium	83.2	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
Zinc	401	6.17		mg/Kg-dry	164509	1	08/01/2012 20:09	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@19-20'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:20:00 PM
Lab ID:	1207J12-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Acetone	160	68		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
2-Butanone	BRL	34		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Benzene	17	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Trichloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Toluene	600	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
Tetrachloroethene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
Ethylbenzene	1000	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
m,p-Xylene	3500	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
o-Xylene	1700	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
Styrene	BRL	3.4		ug/Kg-dry	164694	1	08/02/2012 23:05	JE
1,3,5-Trimethylbenzene	3500	200		ug/Kg-dry	164752	50	08/04/2012 04:31	NP
1,2,4-Trimethylbenzene	5800	2000		ug/Kg-dry	164752	500	08/03/2012 21:47	NP
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164752	500	08/03/2012 21:47	NP
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164752	50	08/04/2012 04:31	NP
Surr: 4-Bromofluorobenzene	92.2	56.5-134		%REC	164694	1	08/02/2012 23:05	JE
Surr: Dibromofluoromethane	97.4	71.8-135		%REC	164752	50	08/04/2012 04:31	NP
Surr: Dibromofluoromethane	104	71.8-135		%REC	164752	500	08/03/2012 21:47	NP
Surr: Dibromofluoromethane	94.5	71.8-135		%REC	164694	1	08/02/2012 23:05	JE
Surr: Toluene-d8	91.5	77.1-117		%REC	164752	500	08/03/2012 21:47	NP
Surr: Toluene-d8	99.8	77.1-117		%REC	164752	50	08/04/2012 04:31	NP
Surr: Toluene-d8	97	77.1-117		%REC	164694	1	08/02/2012 23:05	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1600	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
2-Methylnaphthalene	14000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Acenaphthene	9800	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Anthracene	6200	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benz(a)anthracene	1800	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Benzo(b)fluoranthene	610	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 4-2@19-20'
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:20:00 PM
Lab ID:	1207J12-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Carbazole	6100	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Chrysene	1900	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Dibenzofuran	11000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Fluoranthene	15000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Fluorene	12000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Naphthalene	27000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Pentachlorophenol	18000	8100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Phenanthrene	32000	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Phenol	BRL	410		ug/Kg-dry	164540	1	08/03/2012 20:41	YH
Pyrene	8800	4100		ug/Kg-dry	164540	10	08/06/2012 17:26	YH
Surr: 4-Terphenyl-d14	88.2	50.1-123		%REC	164540	1	08/03/2012 20:41	YH
Surr: Nitrobenzene-d5	67.4	37.5-120		%REC	164540	1	08/03/2012 20:41	YH
Surr: Phenol-d5	66.3	39-120		%REC	164540	1	08/03/2012 20:41	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Barium	36.7	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Cadmium	BRL	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Chromium	148	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Cobalt	8.81	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Copper	60.1	2.88		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Lead	15.1	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Nickel	9.27	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Selenium	BRL	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Vanadium	115	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
Zinc	43.7	5.77		mg/Kg-dry	164509	1	08/01/2012 20:14	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-1@11.5-12.5
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:59:00 PM
Lab ID:	1207J12-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Acetone	BRL	3300		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
2-Butanone	BRL	1600		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,1,1-Trichloroethane	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Benzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,2-Dichloroethane	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Trichloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Toluene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Tetrachloroethene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Ethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
m,p-Xylene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
o-Xylene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Styrene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,3,5-Trimethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
1,2,4-Trimethylbenzene	BRL	160		ug/Kg-dry	164752	50	08/04/2012 03:33	NP
Surr: 4-Bromofluorobenzene	91.8	56.5-134		%REC	164752	50	08/04/2012 03:33	NP
Surr: Dibromofluoromethane	99.4	71.8-135		%REC	164752	50	08/04/2012 03:33	NP
Surr: Toluene-d8	91.8	77.1-117		%REC	164752	50	08/04/2012 03:33	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4,6-Trichlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4-Dimethylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2,4-Dinitrophenol	BRL	1800		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Chlorophenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Methylnaphthalene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
2-Methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
3,4-Methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
4-Chloro-3-methylphenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Acenaphthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Acenaphthylene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benz(a)anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(a)pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(b)fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Benzo(k)fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Carbazole	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Chrysene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Dibenz(a,h)anthracene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Dibenzofuran	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Fluoranthene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-1@11.5-12.5
Project Name:	WC Meredith	**Collection Date:**	7/24/2012 4:59:00 PM
Lab ID:	1207J12-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Indeno(1,2,3-cd)pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Naphthalene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Pentachlorophenol	BRL	1800		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Phenanthrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Phenol	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Pyrene	BRL	350		ug/Kg-dry	164652	1	08/06/2012 22:19	YH
Surr: 4-Terphenyl-d14	93.5	50.1-123		%REC	164652	1	08/06/2012 22:19	YH
Surr: Nitrobenzene-d5	72.1	37.5-120		%REC	164652	1	08/06/2012 22:19	YH
Surr: Phenol-d5	68.3	39-120		%REC	164652	1	08/06/2012 22:19	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Barium	56.7	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Cadmium	BRL	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Chromium	11.4	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Cobalt	4.36	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Copper	10.4	2.61		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Lead	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Nickel	5.34	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Selenium	BRL	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Vanadium	17.9	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
Zinc	30.4	5.22		mg/Kg-dry	164509	1	08/01/2012 20:18	MR
PERCENT MOISTURE D2216								
Percent Moisture	6.58	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-16@26-27
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:40:00 PM
Lab ID:	1207J12-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Acetone	380	110		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
2-Butanone	BRL	53		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Benzene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Trichloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Toluene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Tetrachloroethene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Ethylbenzene	24	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
m,p-Xylene	35	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
o-Xylene	22	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
Styrene	BRL	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,3,5-Trimethylbenzene	97	5.3		ug/Kg-dry	164694	1	08/02/2012 23:59	JE
1,2,4-Trimethylbenzene	1900	310		ug/Kg-dry	164752	50	08/04/2012 06:55	NP
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	164752	50	08/04/2012 06:55	NP
Surr: 4-Bromofluorobenzene	89.4	56.5-134		%REC	164694	1	08/02/2012 23:59	JE
Surr: Dibromofluoromethane	91.5	71.8-135		%REC	164752	50	08/04/2012 06:55	NP
Surr: Dibromofluoromethane	97	71.8-135		%REC	164694	1	08/02/2012 23:59	JE
Surr: Toluene-d8	89	77.1-117		%REC	164694	1	08/02/2012 23:59	JE
Surr: Toluene-d8	92.6	77.1-117		%REC	164752	50	08/04/2012 06:55	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4,6-Trichlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4-Dimethylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2,4-Dinitrophenol	BRL	13000		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2-Chlorophenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
2-Methylnaphthalene	92000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
2-Methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
3,4-Methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
4-Chloro-3-methylphenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Acenaphthene	35000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Acenaphthylene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Anthracene	23000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benz(a)anthracene	12000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(a)pyrene	2900	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(b)fluoranthene	5500	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Benzo(k)fluoranthene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Carbazole	5100	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Chrysene	11000	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-16@26-27
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:40:00 PM
Lab ID:	1207J12-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Dibenzofuran	80000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Fluoranthene	130000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Fluorene	72000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Indeno(1,2,3-cd)pyrene	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Naphthalene	130000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Pentachlorophenol	BRL	130000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Phenanthrene	270000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Phenol	BRL	2500		ug/Kg-dry	164652	5	08/03/2012 16:27	YH
Pyrene	71000	25000		ug/Kg-dry	164652	50	08/06/2012 22:44	YH
Surr: 4-Terphenyl-d14	72.9	50.1-123		%REC	164652	5	08/03/2012 16:27	YH
Surr: Nitrobenzene-d5	59.4	37.5-120		%REC	164652	5	08/03/2012 16:27	YH
Surr: Phenol-d5	58.5	39-120		%REC	164652	5	08/03/2012 16:27	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Barium	204	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Cadmium	BRL	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Chromium	52.6	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Cobalt	753	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Copper	84.6	3.43		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Lead	14.7	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Nickel	49.2	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Selenium	BRL	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Vanadium	77.0	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
Zinc	167	6.87		mg/Kg-dry	164509	1	08/01/2012 20:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	33.4	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-20@28-29
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:00:00 PM
Lab ID:	1207J12-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Acetone	BRL	430000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
2-Butanone	BRL	210000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,1,1-Trichloroethane	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Benzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,2-Dichloroethane	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Trichloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Toluene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Tetrachloroethene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Ethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
m,p-Xylene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
o-Xylene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Styrene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,3,5-Trimethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
1,2,4-Trimethylbenzene	BRL	21000		ug/Kg-dry	164752	5000	08/04/2012 02:06	NP
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	164752	5000	08/04/2012 02:06	NP
Surr: Dibromofluoromethane	99.9	71.8-135		%REC	164752	5000	08/04/2012 02:06	NP
Surr: Toluene-d8	90.9	77.1-117		%REC	164752	5000	08/04/2012 02:06	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4-Dimethylphenol	4800	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
2-Methylnaphthalene	240000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Acenaphthene	250000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Acenaphthylene	7000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Anthracene	93000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Benz(a)anthracene	56000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Benzo(a)pyrene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Benzo(b)fluoranthene	31000	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Benzo(k)fluoranthene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Carbazole	63000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Chrysene	55000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Dibenzofuran	170000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Fluoranthene	330000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-20@28-29
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 4:00:00 PM
Lab ID:	1207J12-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	220000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Indeno(1,2,3-cd)pyrene	4200	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Naphthalene	840000	210000		ug/Kg-dry	164652	500	08/06/2012 18:29	YH
Pentachlorophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Phenanthrene	620000	210000		ug/Kg-dry	164652	500	08/06/2012 18:29	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 15:40	YH
Pyrene	190000	21000		ug/Kg-dry	164652	50	08/03/2012 23:33	YH
Surr: 4-Terphenyl-d14	71.1	50.1-123		%REC	164652	5	08/03/2012 15:40	YH
Surr: Nitrobenzene-d5	52	37.5-120		%REC	164652	5	08/03/2012 15:40	YH
Surr: Phenol-d5	40.2	39-120		%REC	164652	5	08/03/2012 15:40	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Barium	43.7	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Cadmium	BRL	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Chromium	60.9	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Cobalt	7.49	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Copper	10.9	2.92		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Lead	13.5	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Nickel	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Selenium	BRL	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Vanadium	19.5	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
Zinc	550	5.83		mg/Kg-dry	164509	1	08/01/2012 20:26	MR
PERCENT MOISTURE D2216								
Percent Moisture	21.1	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@11-12
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:15:00 PM
Lab ID:	1207J12-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Acetone	BRL	48000		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
2-Butanone	BRL	24000		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,1,1-Trichloroethane	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Benzene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,2-Dichloroethane	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Trichloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Toluene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Tetrachloroethene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Ethylbenzene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
m,p-Xylene	4400	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
o-Xylene	2700	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Styrene	BRL	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,3,5-Trimethylbenzene	5500	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
1,2,4-Trimethylbenzene	13000	2400		ug/Kg-dry	164752	500	08/03/2012 22:44	NP
Surr: 4-Bromofluorobenzene	113	56.5-134		%REC	164752	500	08/03/2012 22:44	NP
Surr: Dibromofluoromethane	104	71.8-135		%REC	164752	500	08/03/2012 22:44	NP
Surr: Toluene-d8	93.9	77.1-117		%REC	164752	500	08/03/2012 22:44	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	16000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4,6-Trichlorophenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4-Dimethylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2-Chlorophenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
2-Methylnaphthalene	300000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
2-Methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
3,4-Methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
4-Chloro-3-methylphenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Acenaphthene	260000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Acenaphthylene	7500	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Anthracene	120000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Benz(a)anthracene	32000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(a)pyrene	8900	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(b)fluoranthene	19000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Benzo(k)fluoranthene	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Carbazole	69000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Chrysene	29000	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Dibenz(a,h)anthracene	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Dibenzofuran	200000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Fluoranthene	260000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@11-12
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:15:00 PM
Lab ID:	1207J12-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	250000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Indeno(1,2,3-cd)pyrene	2400	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Naphthalene	900000	220000		ug/Kg-dry	164652	500	08/06/2012 18:56	YH
Pentachlorophenol	280000	110000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Phenanthrene	620000	220000		ug/Kg-dry	164652	500	08/06/2012 18:56	YH
Phenol	BRL	2200		ug/Kg-dry	164652	5	08/03/2012 16:07	YH
Pyrene	150000	22000		ug/Kg-dry	164652	50	08/03/2012 23:07	YH
Surr: 4-Terphenyl-d14	79.8	50.1-123		%REC	164652	5	08/03/2012 16:07	YH
Surr: Nitrobenzene-d5	68.2	37.5-120		%REC	164652	5	08/03/2012 16:07	YH
Surr: Phenol-d5	49.5	39-120		%REC	164652	5	08/03/2012 16:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	166	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Barium	40.4	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Cadmium	BRL	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Chromium	181	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Cobalt	11.1	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Copper	43.3	3.11		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Lead	29.5	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Nickel	11.1	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Selenium	BRL	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Vanadium	68.6	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
Zinc	567	6.21		mg/Kg-dry	164509	1	08/01/2012 20:37	MR
PERCENT MOISTURE D2216								
Percent Moisture	25.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@27-28
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:20:00 PM
Lab ID:	1207J12-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Acetone	BRL	53000		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
2-Butanone	BRL	26000		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,1,1-Trichloroethane	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Benzene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,2-Dichloroethane	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Trichloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Toluene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Tetrachloroethene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Ethylbenzene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
m,p-Xylene	5700	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
o-Xylene	2800	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Styrene	BRL	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,3,5-Trimethylbenzene	5100	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
1,2,4-Trimethylbenzene	11000	2600		ug/Kg-dry	164752	500	08/03/2012 22:16	NP
Surr: 4-Bromofluorobenzene	115	56.5-134		%REC	164752	500	08/03/2012 22:16	NP
Surr: Dibromofluoromethane	102	71.8-135		%REC	164752	500	08/03/2012 22:16	NP
Surr: Toluene-d8	92	77.1-117		%REC	164752	500	08/03/2012 22:16	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1900	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4,6-Trichlorophenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4-Dimethylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2,4-Dinitrophenol	BRL	2500		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2-Chlorophenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
2-Methylnaphthalene	280000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
2-Methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
3,4-Methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
4-Chloro-3-methylphenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Acenaphthene	150000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Acenaphthylene	2600	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Anthracene	48000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Benz(a)anthracene	13000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Benzo(a)pyrene	3100	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Benzo(b)fluoranthene	4600	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Benzo(k)fluoranthene	1800	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Carbazole	24000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Chrysene	13000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Dibenz(a,h)anthracene	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Dibenzofuran	120000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Fluoranthene	100000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-4@27-28
Project Name:	WC Meredith	**Collection Date:**	7/25/2012 5:20:00 PM
Lab ID:	1207J12-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	120000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Indeno(1,2,3-cd)pyrene	710	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Naphthalene	1000000	490000		ug/Kg-dry	164652	1000	08/07/2012 17:02	YH
Pentachlorophenol	BRL	25000		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Phenanthrene	270000	49000		ug/Kg-dry	164652	100	08/06/2012 17:09	YH
Phenol	BRL	490		ug/Kg-dry	164652	1	08/03/2012 21:07	YH
Pyrene	53000	4900		ug/Kg-dry	164652	10	08/06/2012 17:49	YH
Surr: 4-Terphenyl-d14	88.8	50.1-123		%REC	164652	1	08/03/2012 21:07	YH
Surr: Nitrobenzene-d5	144	37.5-120	S	%REC	164652	1	08/03/2012 21:07	YH
Surr: Phenol-d5	59.7	39-120		%REC	164652	1	08/03/2012 21:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Barium	186	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Cadmium	BRL	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Chromium	66.4	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Cobalt	14.3	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Copper	54.2	3.56		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Lead	13.7	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Nickel	39.0	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Selenium	BRL	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Vanadium	104	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
Zinc	161	7.12		mg/Kg-dry	164509	1	08/01/2012 20:41	MR
PERCENT MOISTURE D2216								
Percent Moisture	32.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 8:55:00 AM
Lab ID:	1207J12-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Acetone	BRL	45000		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
2-Butanone	BRL	22000		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,1,1-Trichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Benzene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,2-Dichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Trichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Toluene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Tetrachloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Ethylbenzene	2700	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
m,p-Xylene	8200	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
o-Xylene	3700	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Styrene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,3,5-Trimethylbenzene	7600	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
1,2,4-Trimethylbenzene	18000	2200		ug/Kg-dry	164752	500	08/04/2012 05:29	NP
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	164752	500	08/04/2012 05:29	NP
Surr: Dibromofluoromethane	93.7	71.8-135		%REC	164752	500	08/04/2012 05:29	NP
Surr: Toluene-d8	95.2	77.1-117		%REC	164752	500	08/04/2012 05:29	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	19000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
2-Methylnaphthalene	1400000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Acenaphthene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Acenaphthylene	13000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Anthracene	1100000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Benz(a)anthracene	170000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(a)pyrene	52000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(b)fluoranthene	72000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Benzo(k)fluoranthene	10000	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Carbazole	530000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Chrysene	170000	21000		ug/Kg-dry	164652	50	08/06/2012 18:15	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Dibenzofuran	980000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Fluoranthene	1500000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@7-8
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 8:55:00 AM
Lab ID:	1207J12-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Indeno(1,2,3-cd)pyrene	7300	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Naphthalene	3800000	2100000		ug/Kg-dry	164652	5000	08/07/2012 16:35	YH
Pentachlorophenol	29000	11000		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Phenanthrene	3300000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 21:33	YH
Pyrene	830000	210000		ug/Kg-dry	164652	500	08/06/2012 17:35	YH
Surr: 4-Terphenyl-d14	20.2	50.1-123	S	%REC	164652	5	08/03/2012 21:33	YH
Surr: Nitrobenzene-d5	87.6	37.5-120		%REC	164652	5	08/03/2012 21:33	YH
Surr: Phenol-d5	33.6	39-120	S	%REC	164652	5	08/03/2012 21:33	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Barium	183	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Cadmium	BRL	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Chromium	127	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Cobalt	35.5	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Copper	70.5	3.00		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Lead	31.8	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Nickel	34.6	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Selenium	BRL	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Vanadium	130	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
Zinc	153	5.99		mg/Kg-dry	164509	1	08/01/2012 20:45	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:00:00 AM
Lab ID:	1207J12-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Acetone	BRL	73		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
2-Butanone	BRL	37		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Benzene	15	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Trichloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Toluene	40	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Tetrachloroethene	BRL	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Ethylbenzene	24	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
m,p-Xylene	63	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
o-Xylene	28	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Styrene	9.2	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,3,5-Trimethylbenzene	30	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
1,2,4-Trimethylbenzene	62	3.7		ug/Kg-dry	164775	1	08/03/2012 16:49	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	164775	1	08/03/2012 16:49	JE
Surr: Dibromofluoromethane	101	71.8-135		%REC	164775	1	08/03/2012 16:49	JE
Surr: Toluene-d8	94.9	77.1-117		%REC	164775	1	08/03/2012 16:49	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	4700	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4-Dimethylphenol	540	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
2-Methylnaphthalene	11000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Acenaphthene	12000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Anthracene	4400	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benz(a)anthracene	2500	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(a)pyrene	730	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(b)fluoranthene	1200	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Benzo(k)fluoranthene	570	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Carbazole	2700	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Chrysene	2500	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Dibenzofuran	8500	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Fluoranthene	16000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-3@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:00:00 AM
Lab ID:	1207J12-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	12000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Naphthalene	29000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Pentachlorophenol	3100	2100		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Phenanthrene	29000	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Phenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 21:59	YH
Pyrene	9800	4100		ug/Kg-dry	164652	10	08/06/2012 18:42	YH
Surr: 4-Terphenyl-d14	80.3	50.1-123		%REC	164652	1	08/03/2012 21:59	YH
Surr: Nitrobenzene-d5	60.2	37.5-120		%REC	164652	1	08/03/2012 21:59	YH
Surr: Phenol-d5	58.7	39-120		%REC	164652	1	08/03/2012 21:59	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Barium	22.3	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Cadmium	BRL	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Chromium	59.4	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Cobalt	3.84	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Copper	30.2	2.93		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Lead	13.0	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Nickel	6.06	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Selenium	BRL	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Vanadium	131	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
Zinc	120	5.87		mg/Kg-dry	164509	1	08/01/2012 20:50	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-2@11-12
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:30:00 AM
Lab ID:	1207J12-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Acetone	170	92		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
2-Butanone	BRL	46		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Benzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Toluene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Styrene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:39	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 13:39	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164775	1	08/03/2012 13:39	JE
Surr: Toluene-d8	95.6	77.1-117		%REC	164775	1	08/03/2012 13:39	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
2-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Acenaphthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Acenaphthylene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Anthracene	840	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benz(a)anthracene	610	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Carbazole	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Chrysene	630	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Dibenzofuran	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Fluoranthene	3400	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SWMU 6-2@11-12
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 9:30:00 AM
Lab ID:	1207J12-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Naphthalene	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Phenanthrene	820	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Phenol	BRL	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Pyrene	2100	410		ug/Kg-dry	164652	1	08/03/2012 22:25	YH
Surr: 4-Terphenyl-d14	73.5	50.1-123		%REC	164652	1	08/03/2012 22:25	YH
Surr: Nitrobenzene-d5	49.4	37.5-120		%REC	164652	1	08/03/2012 22:25	YH
Surr: Phenol-d5	47.6	39-120		%REC	164652	1	08/03/2012 22:25	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Barium	27.8	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Cadmium	BRL	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Chromium	46.0	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Cobalt	5.18	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Copper	31.4	3.13		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Lead	22.1	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Nickel	9.37	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Selenium	BRL	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Vanadium	119	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
Zinc	37.7	6.25		mg/Kg-dry	164509	1	08/01/2012 20:54	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@15-16
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:45:00 AM
Lab ID:	1207J12-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Acetone	240	79		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
2-Butanone	BRL	40		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Benzene	32	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Trichloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Toluene	100	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Tetrachloroethene	BRL	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Ethylbenzene	130	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
m,p-Xylene	310	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
o-Xylene	150	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
Styrene	35	4.0		ug/Kg-dry	164694	1	08/03/2012 03:08	JE
1,3,5-Trimethylbenzene	1200	190		ug/Kg-dry	164752	50	08/04/2012 04:02	NP
1,2,4-Trimethylbenzene	2400	190		ug/Kg-dry	164752	50	08/04/2012 04:02	NP
Surr: 4-Bromofluorobenzene	113	56.5-134		%REC	164752	50	08/04/2012 04:02	NP
Surr: 4-Bromofluorobenzene	73.9	56.5-134		%REC	164694	1	08/03/2012 03:08	JE
Surr: Dibromofluoromethane	105	71.8-135		%REC	164752	50	08/04/2012 04:02	NP
Surr: Dibromofluoromethane	93.3	71.8-135		%REC	164694	1	08/03/2012 03:08	JE
Surr: Toluene-d8	96.3	77.1-117		%REC	164752	50	08/04/2012 04:02	NP
Surr: Toluene-d8	83.9	77.1-117		%REC	164694	1	08/03/2012 03:08	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	85000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2,4-Dimethylphenol	6800	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
2-Methylnaphthalene	360000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Acenaphthene	420000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Acenaphthylene	6500	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Anthracene	120000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benz(a)anthracene	100000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benzo(a)pyrene	27000	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Benzo(b)fluoranthene	59000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Benzo(k)fluoranthene	12000	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Carbazole	56000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Chrysene	100000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@15-16
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:45:00 AM
Lab ID:	1207J12-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Dibenzofuran	230000	21000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Fluoranthene	590000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Fluorene	360000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Indeno(1,2,3-cd)pyrene	9100	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Naphthalene	1200000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Pentachlorophenol	130000	110000		ug/Kg-dry	164652	50	08/06/2012 19:08	YH
Phenanthrene	1000000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 22:51	YH
Pyrene	390000	210000		ug/Kg-dry	164652	500	08/06/2012 18:02	YH
Surr: 4-Terphenyl-d14	4.1	50.1-123	S	%REC	164652	5	08/03/2012 22:51	YH
Surr: Nitrobenzene-d5	76.7	37.5-120		%REC	164652	5	08/03/2012 22:51	YH
Surr: Phenol-d5	47.8	39-120		%REC	164652	5	08/03/2012 22:51	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Barium	53.1	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Cadmium	BRL	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Chromium	77.0	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Cobalt	6.79	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Copper	38.1	2.96		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Lead	17.2	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Nickel	12.1	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Selenium	BRL	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Vanadium	103	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
Zinc	526	5.92		mg/Kg-dry	164509	1	08/01/2012 20:58	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@35-36
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:55:00 AM
Lab ID:	1207J12-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Acetone	170	91		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
2-Butanone	BRL	45		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,1,1-Trichloroethane	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Benzene	7.8	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,2-Dichloroethane	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Trichloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Toluene	66	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Tetrachloroethene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Ethylbenzene	54	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
m,p-Xylene	130	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
o-Xylene	55	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Styrene	BRL	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,3,5-Trimethylbenzene	59	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
1,2,4-Trimethylbenzene	120	4.5		ug/Kg-dry	164694	1	08/03/2012 03:35	JE
Surr: 4-Bromofluorobenzene	91.4	56.5-134		%REC	164694	1	08/03/2012 03:35	JE
Surr: Dibromofluoromethane	87.8	71.8-135		%REC	164694	1	08/03/2012 03:35	JE
Surr: Toluene-d8	89.1	77.1-117		%REC	164694	1	08/03/2012 03:35	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	37000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4,6-Trichlorophenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4-Dimethylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2,4-Dinitrophenol	BRL	20000		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2-Chlorophenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
2-Methylnaphthalene	320000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
2-Methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
3,4-Methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
4-Chloro-3-methylphenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Acenaphthene	270000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Acenaphthylene	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Anthracene	97000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Benz(a)anthracene	43000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(a)pyrene	15000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(b)fluoranthene	19000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Benzo(k)fluoranthene	9000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Carbazole	33000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Chrysene	42000	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Dibenz(a,h)anthracene	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Dibenzofuran	200000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Fluoranthene	290000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-19@35-36
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 10:55:00 AM
Lab ID:	1207J12-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	240000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Indeno(1,2,3-cd)pyrene	4400	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Naphthalene	1100000	380000		ug/Kg-dry	164855	1000	08/09/2012 17:50	YH
Pentachlorophenol	29000	20000		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Phenanthrene	550000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Phenol	BRL	3800		ug/Kg-dry	164855	10	08/08/2012 17:12	YH
Pyrene	180000	38000		ug/Kg-dry	164855	100	08/09/2012 14:45	YH
Surr: 4-Terphenyl-d14	65.6	50.1-123		%REC	164855	10	08/08/2012 17:12	YH
Surr: Nitrobenzene-d5	42.8	37.5-120		%REC	164855	10	08/08/2012 17:12	YH
Surr: Phenol-d5	28	39-120	S	%REC	164855	10	08/08/2012 17:12	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Barium	347	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Cadmium	BRL	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Chromium	57.1	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Cobalt	24.8	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Copper	36.8	2.90		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Lead	11.0	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Nickel	38.1	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Selenium	BRL	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Vanadium	86.0	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
Zinc	175	5.80		mg/Kg-dry	164509	1	08/01/2012 21:02	MR
PERCENT MOISTURE D2216								
Percent Moisture	13.8	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-17@17-18
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 11:45:00 AM
Lab ID:	1207J12-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Acetone	BRL	93		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
2-Butanone	BRL	46		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Benzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Toluene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Ethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
m,p-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
o-Xylene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Styrene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,3,5-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
1,2,4-Trimethylbenzene	BRL	4.6		ug/Kg-dry	164775	1	08/03/2012 13:08	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	164775	1	08/03/2012 13:08	JE
Surr: Dibromofluoromethane	103	71.8-135		%REC	164775	1	08/03/2012 13:08	JE
Surr: Toluene-d8	102	77.1-117		%REC	164775	1	08/03/2012 13:08	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
2-Methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
3,4-Methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Acenaphthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Acenaphthylene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Carbazole	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Chrysene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Dibenzofuran	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Fluoranthene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-17@17-18
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 11:45:00 AM
Lab ID:	1207J12-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Naphthalene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Phenanthrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Phenol	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Pyrene	BRL	430		ug/Kg-dry	164652	1	08/03/2012 14:47	YH
Surr: 4-Terphenyl-d14	78.5	50.1-123		%REC	164652	1	08/03/2012 14:47	YH
Surr: Nitrobenzene-d5	53.4	37.5-120		%REC	164652	1	08/03/2012 14:47	YH
Surr: Phenol-d5	52.4	39-120		%REC	164652	1	08/03/2012 14:47	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Barium	122	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Cadmium	BRL	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Chromium	49.7	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Cobalt	15.5	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Copper	46.0	3.09		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Lead	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Nickel	22.6	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Selenium	BRL	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Vanadium	87.1	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
Zinc	86.1	6.17		mg/Kg-dry	164509	1	08/01/2012 21:06	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.9	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-21@26-27
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 2:55:00 PM
Lab ID:	1207J12-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Acetone	BRL	92		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
2-Butanone	BRL	46		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Benzene	6.2	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,2-Dichloroethane	8.5	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Trichloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Toluene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Tetrachloroethene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Ethylbenzene	9.3	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
m,p-Xylene	14	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
o-Xylene	9.6	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Styrene	BRL	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,3,5-Trimethylbenzene	8.1	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
1,2,4-Trimethylbenzene	18	4.6		ug/Kg-dry	164694	1	08/03/2012 04:29	JE
Surr: 4-Bromofluorobenzene	91.5	56.5-134		%REC	164694	1	08/03/2012 04:29	JE
Surr: Dibromofluoromethane	89.2	71.8-135		%REC	164694	1	08/03/2012 04:29	JE
Surr: Toluene-d8	86.6	77.1-117		%REC	164694	1	08/03/2012 04:29	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
2-Methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Acenaphthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Acenaphthylene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Carbazole	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Chrysene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Dibenzofuran	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Fluoranthene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-21@26-27
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 2:55:00 PM
Lab ID:	1207J12-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Naphthalene	8000	4200		ug/Kg-dry	164652	10	08/06/2012 16:04	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Phenanthrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Phenol	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Pyrene	BRL	420		ug/Kg-dry	164652	1	08/03/2012 15:14	YH
Surr: 4-Terphenyl-d14	97.3	50.1-123		%REC	164652	1	08/03/2012 15:14	YH
Surr: Nitrobenzene-d5	65.9	37.5-120		%REC	164652	1	08/03/2012 15:14	YH
Surr: Phenol-d5	67.8	39-120		%REC	164652	1	08/03/2012 15:14	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Barium	60.8	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Cadmium	BRL	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Chromium	30.8	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Cobalt	10.4	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Copper	14.8	2.93		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Lead	14.0	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Nickel	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Selenium	BRL	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Vanadium	40.6	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
Zinc	24.1	5.85		mg/Kg-dry	164509	1	08/01/2012 21:10	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.7	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-22@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 3:50:00 PM
Lab ID:	1207J12-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Acetone	BRL	45000		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
2-Butanone	BRL	22000		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,1,1-Trichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Benzene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,2-Dichloroethane	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Trichloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Toluene	3200	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Tetrachloroethene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Ethylbenzene	5700	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
m,p-Xylene	12000	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
o-Xylene	5200	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Styrene	BRL	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,3,5-Trimethylbenzene	8500	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
1,2,4-Trimethylbenzene	13000	2200		ug/Kg-dry	164752	500	08/04/2012 05:58	NP
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	164752	500	08/04/2012 05:58	NP
Surr: Dibromofluoromethane	93.3	71.8-135		%REC	164752	500	08/04/2012 05:58	NP
Surr: Toluene-d8	93.2	77.1-117		%REC	164752	500	08/04/2012 05:58	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4,6-Trichlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4-Dimethylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2,4-Dinitrophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Chlorophenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Methylnaphthalene	5900	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
2-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
3,4-Methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
4-Chloro-3-methylphenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Acenaphthene	7100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Acenaphthylene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Anthracene	4200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benz(a)anthracene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(a)pyrene	9400	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(b)fluoranthene	15000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Benzo(k)fluoranthene	6100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Carbazole	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Chrysene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Dibenz(a,h)anthracene	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Dibenzofuran	2100	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Fluoranthene	21000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-22@19-20
Project Name:	WC Meredith	**Collection Date:**	7/26/2012 3:50:00 PM
Lab ID:	1207J12-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	3400	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Indeno(1,2,3-cd)pyrene	3200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Naphthalene	33000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Pentachlorophenol	BRL	11000		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Phenanthrene	6200	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Phenol	BRL	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Pyrene	24000	2100		ug/Kg-dry	164652	5	08/03/2012 23:17	YH
Surr: 4-Terphenyl-d14	71.9	50.1-123		%REC	164652	5	08/03/2012 23:17	YH
Surr: Nitrobenzene-d5	49.4	37.5-120		%REC	164652	5	08/03/2012 23:17	YH
Surr: Phenol-d5	48.8	39-120		%REC	164652	5	08/03/2012 23:17	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Barium	55.0	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Cadmium	BRL	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Chromium	179	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Cobalt	BRL	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Copper	14.2	3.05		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Lead	12.4	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Nickel	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Selenium	BRL	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Vanadium	57.5	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
Zinc	391	6.10		mg/Kg-dry	164459	1	07/31/2012 18:13	MR
PERCENT MOISTURE D2216								
Percent Moisture	20.5	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-23@35-36
Project Name:	WC Meredith	**Collection Date:**	7/27/2012 9:00:00 AM
Lab ID:	1207J12-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Acetone	BRL	83		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
2-Butanone	BRL	41		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Benzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Trichloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Toluene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Tetrachloroethene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Ethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
m,p-Xylene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
o-Xylene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Styrene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,3,5-Trimethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
1,2,4-Trimethylbenzene	BRL	4.1		ug/Kg-dry	164775	1	08/03/2012 16:24	JE
Surr: 4-Bromofluorobenzene	101	56.5-134		%REC	164775	1	08/03/2012 16:24	JE
Surr: Dibromofluoromethane	102	71.8-135		%REC	164775	1	08/03/2012 16:24	JE
Surr: Toluene-d8	96.3	77.1-117		%REC	164775	1	08/03/2012 16:24	JE
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
2-Methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Acenaphthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Acenaphthylene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Carbazole	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Chrysene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Dibenzofuran	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Fluoranthene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	SB/TW-23@35-36
Project Name:	WC Meredith	**Collection Date:**	7/27/2012 9:00:00 AM
Lab ID:	1207J12-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Naphthalene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Phenanthrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Phenol	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Pyrene	BRL	450		ug/Kg-dry	164652	1	08/03/2012 17:54	YH
Surr: 4-Terphenyl-d14	63.2	50.1-123		%REC	164652	1	08/03/2012 17:54	YH
Surr: Nitrobenzene-d5	39.9	37.5-120		%REC	164652	1	08/03/2012 17:54	YH
Surr: Phenol-d5	42.1	39-120		%REC	164652	1	08/03/2012 17:54	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Barium	248	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Cadmium	BRL	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Chromium	34.0	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Cobalt	14.2	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Copper	39.3	3.34		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Lead	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Nickel	17.5	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Selenium	BRL	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Vanadium	54.3	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
Zinc	96.3	6.68		mg/Kg-dry	164459	1	07/31/2012 18:16	MR
PERCENT MOISTURE D2216								
Percent Moisture	27.1	0		wt%	R226358	1	08/03/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-Sep-12

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	7/27/2012
Lab ID:	1207J12-044	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Acetone	BRL	50		ug/L	164428	1	08/02/2012 12:06	DB
2-Butanone	BRL	50		ug/L	164428	1	08/02/2012 12:06	DB
1,1,1-Trichloroethane	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Benzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,2-Dichloroethane	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Trichloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Toluene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Tetrachloroethene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Ethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
m,p-Xylene	BRL	2.0		ug/L	164428	1	08/02/2012 12:06	DB
o-Xylene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Styrene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	164428	1	08/02/2012 12:06	DB
Surr: 4-Bromofluorobenzene	94.9	67.4-123		%REC	164428	1	08/02/2012 12:06	DB
Surr: Dibromofluoromethane	94.5	75.5-128		%REC	164428	1	08/02/2012 12:06	DB
Surr: Toluene-d8	97.4	70-120		%REC	164428	1	08/02/2012 12:06	DB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Pace Analytical Services, Inc.
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Report Prepared for:

James Forrest
Analytical Environmental Services
3785 Presidential Parkway
Atlanta GA 30340

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Information:

Pace Project #: 10200752
Sample Receipt Date: 07/31/2012
Client Project #: 1207J12
Client Sub PO #: N/A
State Cert #: 959

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Norman Hoffa, your Pace Project Manager.

This report has been reviewed by:

August 13, 2012

Norman Hoffa, Project Manager
(919) 596-1935
(612) 607-6444 (fax)
norm.hoffa@pacelabs.com

Report Prepared Date:
August 13, 2012

Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Analytical Environmental Services, Inc. The sample was analyzed for the presence or absence of Appendix IX List polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8280A. The reporting limits ranged from 1.0-2.5 ug/Kg as specified in Table 2 of the method and were not adjusted for sample amount.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 84-89%. All of the labeled standard recoveries obtained for this project were within the 25-150% target range specified in Method 8280A. Also, since the internal standards were added prior to extraction, the data were automatically corrected for variation in recovery.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCDDs and PCDFs at the reporting limits. This indicates that the sample preparation procedures did not significantly impact the results reported for the field sample.

A laboratory spike sample was also prepared using clean sand that had been fortified with native standard materials. Recoveries of the native compounds ranged from 101-138%. The recovery obtained for 1,2,3,7,8-PeCDF was above the target range and was flagged "R" on the results table; this may indicate a high bias for PeCDF isomers in these determinations. However, since PeCDF isomers were not detected in the field sample, the accuracy of the reported results was not impacted by this deviation. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Montana	92
Alaska	MN00064	Nebraska	
Arizona	AZ0014	Nevada	MN_00064_200
Arkansas	88-0680	New Jersey (NE	MN002
California	01155CA	New Mexico	MN00064
Colorado	MN00064	New York (NEL	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 5	WD-15J	North Dakota	R-036
EPA Region 8	8TMS-Q	Ohio	4150
Florida (NELAP	E87605	Ohio VAP	CL101 9507
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennesee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

1126

CHAIN OF CUSTODY

Work Order: 10200752

Date: _____ Page _____ of _____

Report No.....10200752_8280

COMPANY: AES	ADDRESS: Same as above
PHONE:	FAX:
SAMPLED BY:	SIGNATURE:

ANALYSIS REQUESTED: Dioxins 8280

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB/BK-1@3-4'	7/23	11:10	✓		SO	✓		
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	7/30/12 14:30	1: CSI Pace	7.31.12 9.55 5.4°C
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: 1207J12
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: jforrest@aesatlanta.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- ✓ Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Document Revised: 19Jun2012 Page 1 of 1
	Document No.: F-MN-L-213-rev.03	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Analytical Environmental

Project #: WO#: 10200752

10200752

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [X] Commercial [ ] Pace [ ] Other:

Tracking Number: 466917312850

Custody Seal on Cooler/Box Present? [ ] Yes [X] No **Seals Intact?** [ ] Yes [X] No

Optional: Proj. Due Date: Proj. Name:

Packing Material: [ ] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other: **Temp Blank?** [ ] Yes [X] No

Thermometer Used: [ ] 80344042 [X] 80512447 **Type of Ice:** [X] Wet [ ] Blue [ ] None [ ] Samples on ice, cooling process has begun

Cooler Temperature: 5.4 **Biological Tissue Frozen?** [ ] Yes [ ] No **Date and Initials of Person Examining Contents:** CSI 7.31.12

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Chain of Custody Filled Out?	[X] Yes	[ ] No	[ ] N/A	2.
Chain of Custody Relinquished?	[X] Yes	[ ] No	[ ] N/A	3.
Sampler Name and Signature on COC?	[ ] Yes	[X] No	[ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No	[ ] N/A	6.
Rush Turn Around Time Requested?	[X] Yes	[ ] No	[ ] N/A	7. 5 day
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	8.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	9.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	10.
Filtered Volume Received for Dissolved Tests?	[ ] Yes	[ ] No	[X] N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: SL	[X] Yes	[ ] No	[ ] N/A	12.
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO_3 [ ] H_2SO_4 [ ] NaOH [ ] HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	[ ] Yes	[ ] No	[X] N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	[ ] Yes	[X] No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	[ ] Yes	[ ] No	[X] N/A	14.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	15.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: Date/Time:

Comments/Resolution:

Norman Hoffa Digitally signed by Norman Hoffa DN: cn=Norman Hoffa, o=Pace Analytical Services Inc, ou=Project Manager, email=norm.hoffa@pacelabs.com, c=US Date: 2012.08.01 18:14:14 -04'00'

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
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Tel: 612-607-1700
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Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

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Appendix B

Sample Analysis Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	SB/BK-1@3-4'		
Lab Sample ID	10200752001		
Filename	C120808B_13		
Injected By	ACE	Matrix	Soil
Total Amount Extracted	10.3 g	Dilution	NA
% Moisture	NA	Collected	07/23/2012 11:10
ICAL Date	03/09/2012	Received	07/31/2012 09:55
CCal Filename(s)	C120808B_02 & C120808B_16	Extracted	08/03/2012 20:00
Method Blank ID	BLANK-33453	Analyzed	08/09/2012 06:45

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	84
				2,3,7,8-TCDD-13C	50.00	84
				1,2,3,6,7,8-HxCDD-13C	50.00	89
2,3,7,8-TCDD	ND	-----	1.0			
				1,2,3,4-TCDD-13C	50.00	NA
				1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,7,8-PeCDF	ND	-----	2.5			
2,3,4,7,8-PeCDF	ND	-----	2.5	2,3,7,8-TCDD-37Cl4	25.00	86
1,2,3,7,8-PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
R = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
P = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Lab Sample ID	BLANK-33453	Matrix	Solid
Filename	C120808A_06	Dilution	NA
Total Amount Extracted	10.0 g	Extracted	08/03/2012 20:00
ICAL ID	10MSS7-120309C	Analyzed	08/08/2012 12:26
CCal Filename(s)	C120808A_02 & C120808A_17	Injected By	ACE

Native Isomers	**Conc** ug/Kg	**EMPC** ug/Kg	**RL** ug/Kg	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	69
				2,3,7,8-TCDD-13C	50.00	65
				1,2,3,6,7,8-HxCDD-13C	50.00	68
2,3,7,8-TCDD	ND	-----	1.0			
				1,2,3,4-TCDD-13C	50.00	NA
				1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,7,8-PeCDF	ND	-----	2.5			
2,3,4,7,8-PeCDF	ND	-----	2.5	2,3,7,8-TCDD-37Cl4	25.00	81
1,2,3,7,8-PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Laboratory Control Spike Results

Client - Analytical Environmental Services

Lab Sample ID	LCS-33454		
Filename	C120808B_03	Matrix	Solid
Total Amount Extracted	10.3 g	Dilution	NA
ICAL Date	03/09/2012	Extracted	08/03/2012 20:00
CCal Filename(s)	C120808B_02 & C120808B_15	Analyzed	08/08/2012 23:11
Method Blank ID	BLANK-33453	Injected By	ACE

Native Isomers	**Qs** (ng)	**Qm** (ng)	% Rec.	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	25.00	25.13	101	2,3,7,8-TCDF-13C	50.00	68
2,3,7,8-TCDD	25.00	25.20	101	2,3,7,8-TCDD-13C	50.00	65
1,2,3,7,8-PeCDF	62.50	86.37	138 R	1,2,3,6,7,8-HxCDD-13C	50.00	70
1,2,3,7,8-PeCDD	62.50	79.58	127	1,2,3,4-TCDD-13C	50.00	NA
1,2,3,6,7,8-HxCDF	62.50	68.45	110	1,2,3,7,8,9-HxCDD-13C	50.00	NA
1,2,3,6,7,8-HxCDD	62.50	64.82	104	2,3,7,8-TCDD-37Cl4	25.00	85

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Outside the target recovery range of the method
X = Background subtracted value
NA = Not Applicable
NC = Not Calculated
I = Interference

REPORT OF LABORATORY ANALYSIS

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Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Envirorisk Consultants Work Order Number 1207J12

Checklist completed by Jason B 7/28/12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.2° Cooler #2 3.1° Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes __	No ✓
Proceed with Standard TAT as per project history?	Yes ✓	No __ Not Applicable __
Water - VOA vials have zero headspace?	No VOA vials submitted ✓	Yes __ No __
Water - pH acceptable upon receipt?	Yes __	No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes ✓ No __

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164428

Sample ID: **MB-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729762**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.69	0	50	0	95.4	67.4	123	0	0	0	
Surr: Dibromofluoromethane	49.07	0	50	0	98.1	75.5	128	0	0	0	
Surr: Toluene-d8	48.32	0	50	0	96.6	70	120	0	0	0	

Sample ID: **LCS-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.31	5.0	50	0	115	60	140	0	0	0	
Benzene	54.00	5.0	50	0	108	70	130	0	0	0	
Toluene	54.97	5.0	50	0	110	70	130	0	0	0	
Trichloroethene	54.19	5.0	50	0	108	70	130	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164428

Sample ID: **LCS-164428** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	51.74	0	50	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	50.73	0	50	0	101	75.5	128	0	0	0	
Surr: Toluene-d8	50.55	0	50	0	101	70	120	0	0	0	

Sample ID: **1207G57-006AMS** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729766**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	494.2	50	500	0	98.8	50.1	179	0	0	0	
Benzene	469.2	50	500	0	93.8	61.2	150	0	0	0	
Toluene	476.1	50	500	0	95.2	58.7	154	0	0	0	
Trichloroethene	502.5	50	500	39.30	92.6	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	513.0	0	500	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	505.7	0	500	0	101	75.5	128	0	0	0	
Surr: Toluene-d8	496.3	0	500	0	99.3	70	120	0	0	0	

Sample ID: **1207G57-006AMSD** Client ID: Units: **ug/L** Prep Date: **07/27/2012** Run No: **225929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164428** Analysis Date: **07/27/2012** Seq No: **4729767**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	482.4	50	500	0	96.5	50.1	179	494.2	2.42	23.3	
Benzene	467.1	50	500	0	93.4	61.2	150	469.2	0.449	19	
Toluene	472.1	50	500	0	94.4	58.7	154	476.1	0.844	20	
Trichloroethene	511.3	50	500	39.30	94.4	68.3	149	502.5	1.74	17.7	
Surr: 4-Bromofluorobenzene	511.0	0	500	0	102	67.4	123	513.0	0	0	
Surr: Dibromofluoromethane	505.6	0	500	0	101	75.5	128	505.7	0	0	
Surr: Toluene-d8	498.5	0	500	0	99.7	70	120	496.3	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164459

Sample ID: **MB-164459** Client ID: Units: **mg/Kg** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731254**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164459** Client ID: Units: **mg/Kg** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731253**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	48.21	5.00	50	0	96.4	80	120	0	0	0	
Barium	49.24	5.00	50	0.5345	97.4	80	120	0	0	0	
Cadmium	47.62	2.50	50	0	95.2	80	120	0	0	0	
Chromium	50.80	2.50	50	0.06478	101	80	120	0	0	0	
Cobalt	49.02	2.50	50	0	98	80	120	0	0	0	
Copper	48.00	2.50	50	0	96	80	120	0	0	0	
Lead	48.76	5.00	50	0.09865	97.3	80	120	0	0	0	
Nickel	49.08	5.00	50	0	98.2	80	120	0	0	0	
Selenium	47.33	5.00	50	0.2024	94.3	80	120	0	0	0	
Vanadium	48.95	5.00	50	0	97.9	80	120	0	0	0	
Zinc	49.48	5.00	50	0.2336	98.5	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164459

Sample ID: **1207I57-043BMS** Client ID: Units: **mg/Kg-dry** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731256**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	55.64	6.46	64.58	0.1895	85.9	75	125	0	0	0	
Barium	80.50	6.46	64.58	20.22	93.3	75	125	0	0	0	
Cadmium	58.68	3.23	64.58	0	90.9	75	125	0	0	0	
Chromium	81.37	3.23	64.58	16.16	101	75	125	0	0	0	
Cobalt	61.79	3.23	64.58	2.566	91.7	75	125	0	0	0	
Copper	67.79	3.23	64.58	7.619	93.2	75	125	0	0	0	
Lead	84.79	6.46	64.58	26.62	90.1	75	125	0	0	0	
Nickel	60.77	6.46	64.58	2.550	90.1	75	125	0	0	0	
Selenium	52.59	6.46	64.58	0	81.4	75	125	0	0	0	
Vanadium	97.82	6.46	64.58	36.40	95.1	75	125	0	0	0	
Zinc	71.81	6.46	64.58	13.36	90.5	75	125	0	0	0	

Sample ID: **1207I57-043BMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **07/30/2012** Run No: **226024**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **164459** Analysis Date: **07/30/2012** Seq No: **4731257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	56.59	6.44	64.45	0.1895	87.5	75	125	55.64	1.68	20	
Barium	80.89	6.44	64.45	20.22	94.1	75	125	80.50	0.492	20	
Cadmium	59.80	3.22	64.45	0	92.8	75	125	58.68	1.89	20	
Chromium	76.39	3.22	64.45	16.16	93.5	75	125	81.37	6.31	20	
Cobalt	62.76	3.22	64.45	2.566	93.4	75	125	61.79	1.56	20	
Copper	67.46	3.22	64.45	7.619	92.8	75	125	67.79	0.491	20	
Lead	86.84	6.44	64.45	26.62	93.5	75	125	84.79	2.4	20	
Nickel	61.90	6.44	64.45	2.550	92.1	75	125	60.77	1.85	20	
Selenium	56.06	6.44	64.45	0	87	75	125	52.59	6.39	20	
Vanadium	85.30	6.44	64.45	36.40	75.9	75	125	97.82	13.7	20	
Zinc	72.10	6.44	64.45	13.36	91.1	75	125	71.81	0.396	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **MB-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **MB-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1842	0	1667	0	111	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1141	0	1667	0	68.5	37.5	120	0	0	0	
Surr: Phenol-d5	2219	0	3333	0	66.6	39	120	0	0	0	

Sample ID: **LCS-164483** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735422**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2542	330	3333	0	76.3	59	120	0	0	0	
4-Chloro-3-methylphenol	2851	330	3333	0	85.5	55.1	120	0	0	0	
Acenaphthene	2721	330	3333	0	81.6	59	120	0	0	0	
Pentachlorophenol	2132	1700	3333	0	64	44.6	120	0	0	0	
Phenol	2483	330	3333	0	74.5	55.1	120	0	0	0	
Pyrene	3418	330	3333	0	103	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	2174	0	1667	0	130	50.1	123	0	0	0	S
Surr: Nitrobenzene-d5	1297	0	1667	0	77.8	37.5	120	0	0	0	
Surr: Phenol-d5	2443	0	3333	0	73.3	39	120	0	0	0	

Sample ID: **1207I57-043BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2660	430	4323	0	61.5	44.8	120	0	0	0	
4-Chloro-3-methylphenol	3332	430	4323	0	77.1	45.1	120	0	0	0	
Acenaphthene	3094	430	4323	0	71.6	50.4	120	0	0	0	
Pentachlorophenol	2687	2200	4323	0	62.2	31.1	120	0	0	0	
Phenol	2679	430	4323	0	62	43.9	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164483

Sample ID: **1207I57-043BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	3847	430	4323	0	89	47.9	115	0	0	0	
Surr: 4-Terphenyl-d14	2446	0	2161	0	113	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1309	0	2161	0	60.6	37.5	120	0	0	0	
Surr: Phenol-d5	2514	0	4323	0	58.2	39	120	0	0	0	

Sample ID: **1207I57-043BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226232**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164483** Analysis Date: **08/01/2012** Seq No: **4735426**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2854	430	4333	0	65.9	44.8	120	2660	7.03	21.7	
4-Chloro-3-methylphenol	3346	430	4333	0	77.2	45.1	120	3332	0.427	23	
Acenaphthene	3011	430	4333	0	69.5	50.4	120	3094	2.72	21.3	
Pentachlorophenol	2556	2200	4333	0	59	31.1	120	2687	5	20.6	
Phenol	2883	430	4333	0	66.5	43.9	120	2679	7.33	21	
Pyrene	3748	430	4333	0	86.5	47.9	115	3847	2.6	18.9	
Surr: 4-Terphenyl-d14	2298	0	2167	0	106	50.1	123	2446	0	0	
Surr: Nitrobenzene-d5	1411	0	2167	0	65.1	37.5	120	1309	0	0	
Surr: Phenol-d5	2767	0	4333	0	63.9	39	120	2514	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164508

Sample ID: **MB-164508** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733541**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164508** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733536**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	50.37	5.00	50	0.2583	100	80	120	0	0	0	
Barium	50.68	5.00	50	0.5363	100	80	120	0	0	0	
Cadmium	49.84	2.50	50	0.06344	99.5	80	120	0	0	0	
Chromium	52.58	2.50	50	0.1376	105	80	120	0	0	0	
Cobalt	50.62	2.50	50	0.04250	101	80	120	0	0	0	
Copper	50.65	2.50	50	0.09248	101	80	120	0	0	0	
Lead	49.98	5.00	50	0.2959	99.4	80	120	0	0	0	
Nickel	50.27	5.00	50	0	101	80	120	0	0	0	
Selenium	49.98	5.00	50	0.4384	99.1	80	120	0	0	0	
Vanadium	50.57	5.00	50	0.04300	101	80	120	0	0	0	
Zinc	51.23	5.00	50	1.391	99.7	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164508

Sample ID: **1207J12-020CMS** Client ID: **SWMU 4-4@7-8** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733554**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	57.06	6.44	64.43	0	88.6	75	125	0	0	0	
Barium	151.9	6.44	64.43	100.6	79.6	75	125	0	0	0	
Cadmium	61.58	3.22	64.43	0	95.6	75	125	0	0	0	
Chromium	124.2	3.22	64.43	68.89	85.9	75	125	0	0	0	
Cobalt	69.65	3.22	64.43	10.87	91.2	75	125	0	0	0	
Copper	151.9	3.22	64.43	87.54	100	75	125	0	0	0	
Lead	79.63	6.44	64.43	26.33	82.7	75	125	0	0	0	
Nickel	74.98	6.44	64.43	17.26	89.6	75	125	0	0	0	
Selenium	50.63	6.44	64.43	0	78.6	75	125	0	0	0	
Vanadium	222.8	6.44	64.43	169.5	82.7	75	125	0	0	0	
Zinc	122.0	6.44	64.43	71.57	78.3	75	125	0	0	0	

Sample ID: **1207J12-020CMSD** Client ID: **SWMU 4-4@7-8** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226128**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **164508** Analysis Date: **07/31/2012** Seq No: **4733557**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	56.04	6.44	64.38	0	87	75	125	57.06	1.81	20	
Barium	167.6	6.44	64.38	100.6	104	75	125	151.9	9.8	20	
Cadmium	61.50	3.22	64.38	0	95.5	75	125	61.58	0.136	20	
Chromium	130.9	3.22	64.38	68.89	96.3	75	125	124.2	5.21	20	
Cobalt	71.48	3.22	64.38	10.87	94.1	75	125	69.65	2.59	20	
Copper	163.1	3.22	64.38	87.54	117	75	125	151.9	7.1	20	
Lead	81.09	6.44	64.38	26.33	85	75	125	79.63	1.81	20	
Nickel	76.92	6.44	64.38	17.26	92.7	75	125	74.98	2.55	20	
Selenium	50.38	6.44	64.38	0	78.3	75	125	50.63	0.492	20	
Vanadium	238.3	6.44	64.38	169.5	107	75	125	222.8	6.71	20	
Zinc	135.3	6.44	64.38	71.57	99	75	125	122.0	10.4	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164509

Sample ID: **MB-164509** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735182**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Cobalt	BRL	2.50	0	0	0	0	0	0	0	0	
Copper	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Nickel	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Vanadium	BRL	5.00	0	0	0	0	0	0	0	0	
Zinc	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-164509** Client ID: Units: **mg/Kg** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735181**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	51.56	5.00	50	0	103	80	120	0	0	0	
Barium	51.25	5.00	50	0	102	80	120	0	0	0	
Cadmium	50.52	2.50	50	0	101	80	120	0	0	0	
Chromium	52.51	2.50	50	0.1010	105	80	120	0	0	0	
Cobalt	51.14	2.50	50	0	102	80	120	0	0	0	
Copper	50.34	2.50	50	0.05385	101	80	120	0	0	0	
Lead	50.91	5.00	50	0.08390	102	80	120	0	0	0	
Nickel	51.31	5.00	50	0	103	80	120	0	0	0	
Selenium	50.59	5.00	50	0	101	80	120	0	0	0	
Vanadium	50.31	5.00	50	0	101	80	120	0	0	0	
Zinc	54.79	5.00	50	1.359	107	80	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164509

Sample ID: **1207J12-026CMS** Client ID: **SWMU 8-1@2-3'** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735186**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	52.38	5.71	57.06	2.790	86.9	75	125	0	0	0	
Barium	102.9	5.71	57.06	33.22	122	75	125	0	0	0	
Cadmium	54.66	2.85	57.06	0	95.8	75	125	0	0	0	
Chromium	128.8	2.85	57.06	68.25	106	75	125	0	0	0	
Cobalt	58.05	2.85	57.06	4.553	93.8	75	125	0	0	0	
Copper	99.11	2.85	57.06	39.49	104	75	125	0	0	0	
Lead	71.74	5.71	57.06	22.90	85.6	75	125	0	0	0	
Nickel	62.39	5.71	57.06	9.360	92.9	75	125	0	0	0	
Selenium	40.32	5.71	57.06	0	70.7	75	125	0	0	0	S
Vanadium	220.9	5.71	57.06	164.8	98.3	75	125	0	0	0	
Zinc	77.69	5.71	57.06	20.40	100	75	125	0	0	0	

Sample ID: **1207J12-026CMSD** Client ID: **SWMU 8-1@2-3'** Units: **mg/Kg-dry** Prep Date: **07/31/2012** Run No: **226217**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **164509** Analysis Date: **08/01/2012** Seq No: **4735188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	53.19	5.70	57.02	2.790	88.4	75	125	52.38	1.53	20	
Barium	100.8	5.70	57.02	33.22	119	75	125	102.9	2.05	20	
Cadmium	54.88	2.85	57.02	0	96.2	75	125	54.66	0.403	20	
Chromium	127.4	2.85	57.02	68.25	104	75	125	128.8	1.16	20	
Cobalt	58.11	2.85	57.02	4.553	93.9	75	125	58.05	0.097	20	
Copper	101.5	2.85	57.02	39.49	109	75	125	99.11	2.35	20	
Lead	70.53	5.70	57.02	22.90	83.5	75	125	71.74	1.69	20	
Nickel	62.58	5.70	57.02	9.360	93.3	75	125	62.39	0.315	20	
Selenium	41.35	5.70	57.02	0	72.5	75	125	40.32	2.53	20	S
Vanadium	225.3	5.70	57.02	164.8	106	75	125	220.9	1.97	20	
Zinc	78.08	5.70	57.02	20.40	101	75	125	77.69	0.504	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226350**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4737403**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226350**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164540**	Analysis Date: **08/03/2012**	Seq No: **4737403**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1918	0	1667	0	115	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1221	0	1667	0	73.3	37.5	120	0	0	0	
Surr: Phenol-d5	2456	0	3333	0	73.7	39	120	0	0	0	

Sample ID: **MB-164540**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226302**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164540**	Analysis Date: **08/03/2012**	Seq No: **4739102**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **MB-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4739102**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1296	0	1667	0	77.8	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1049	0	1667	0	63	37.5	120	0	0	0	
Surr: Phenol-d5	2118	0	3333	0	63.6	39	120	0	0	0	

Sample ID: **LCS-164540** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/03/2012** Seq No: **4736689**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2044	330	3333	0	61.3	59	120	0	0	0	
4-Chloro-3-methylphenol	2240	330	3333	0	67.2	55.1	120	0	0	0	
Acenaphthene	2097	330	3333	0	62.9	59	120	0	0	0	
Pentachlorophenol	2391	1700	3333	0	71.7	44.6	120	0	0	0	
Phenol	1959	330	3333	0	58.8	55.1	120	0	0	0	
Pyrene	2108	330	3333	0	63.2	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	1279	0	1667	0	76.8	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1065	0	1667	0	63.9	37.5	120	0	0	0	
Surr: Phenol-d5	2203	0	3333	0	66.1	39	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164540

Sample ID: **1207J12-009CMS** Client ID: **SB/BK-1@11-12'** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226861**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/13/2012** Seq No: **4748066**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2760	410	4093	0	67.4	44.8	120	0	0	0	
4-Chloro-3-methylphenol	3230	410	4093	0	78.9	45.1	120	0	0	0	
Acenaphthene	2942	410	4093	0	71.9	50.4	120	0	0	0	
Pentachlorophenol	2782	2100	4093	0	68	31.1	120	0	0	0	
Phenol	2738	410	4093	0	66.9	43.9	120	0	0	0	
Pyrene	3046	410	4093	0	74.4	47.9	115	0	0	0	
Surr: 4-Terphenyl-d14	1895	0	2047	0	92.6	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1460	0	2047	0	71.4	37.5	120	0	0	0	
Surr: Phenol-d5	2685	0	4093	0	65.6	39	120	0	0	0	

Sample ID: **1207J12-009CMSD** Client ID: **SB/BK-1@11-12'** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226861**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164540** Analysis Date: **08/13/2012** Seq No: **4748068**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2911	410	4096	0	71.1	44.8	120	2760	5.34	21.7	
4-Chloro-3-methylphenol	3174	410	4096	0	77.5	45.1	120	3230	1.76	23	
Acenaphthene	2942	410	4096	0	71.8	50.4	120	2942	0.017	21.3	
Pentachlorophenol	2815	2100	4096	0	68.7	31.1	120	2782	1.19	20.6	
Phenol	2924	410	4096	0	71.4	43.9	120	2738	6.56	21	
Pyrene	3099	410	4096	0	75.7	47.9	115	3046	1.72	18.9	
Surr: 4-Terphenyl-d14	1925	0	2048	0	94	50.1	123	1895	0	0	
Surr: Nitrobenzene-d5	1386	0	2048	0	67.7	37.5	120	1460	0	0	
Surr: Phenol-d5	2779	0	4096	0	67.8	39	120	2685	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164607

Sample ID: **MB-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737054**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	48.13	0	50	0	96.3	56.5	134	0	0	0	
Surr: Dibromofluoromethane	49.15	0	50	0	98.3	71.8	135	0	0	0	
Surr: Toluene-d8	48.10	0	50	0	96.2	77.1	117	0	0	0	

Sample ID: **LCS-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737056**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.36	5.0	50	0	125	60	140	0	0	0	
Benzene	57.93	5.0	50	0	116	70	130	0	0	0	
Toluene	56.78	5.0	50	0	114	70	130	0	0	0	
Trichloroethene	59.71	5.0	50	0	119	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	52.66	0	50	0	105	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164607

Sample ID: **LCS-164607** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737056**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	52.96	0	50	0	106	71.8	135	0	0	0	
Surr: Toluene-d8	49.67	0	50	0	99.3	77.1	117	0	0	0	

Sample ID: **1207K93-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.44	5.0	50.01	0	121	51	159	0	0	0	
Benzene	58.09	5.0	50.01	0	116	67.6	139	0	0	0	
Toluene	58.21	5.0	50.01	0	116	63.5	140	0	0	0	
Trichloroethene	59.52	5.0	50.01	0	119	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	52.60	0	50.01	0	105	56.5	134	0	0	0	
Surr: Dibromofluoromethane	50.05	0	50.01	0	100	71.8	135	0	0	0	
Surr: Toluene-d8	48.75	0	50.01	0	97.5	77.1	117	0	0	0	

Sample ID: **1207K93-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226197**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164607** Analysis Date: **08/01/2012** Seq No: **4737061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.17	5.0	50.01	0	112	51	159	60.44	7.32	25.7	
Benzene	52.45	5.0	50.01	0	105	67.6	139	58.09	10.2	18.5	
Toluene	53.28	5.0	50.01	0	107	63.5	140	58.21	8.85	18.8	
Trichloroethene	52.47	5.0	50.01	0	105	67.6	145	59.52	12.6	20.7	
Surr: 4-Bromofluorobenzene	53.14	0	50.01	0	106	56.5	134	52.60	0	0	
Surr: Dibromofluoromethane	48.90	0	50.01	0	97.8	71.8	135	50.05	0	0	
Surr: Toluene-d8	48.88	0	50.01	0	97.7	77.1	117	48.75	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **MB-164652** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226302**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/03/2012** Seq No: **4739185**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dimethylphenol	BRL	330	0	0	0	0	0	0	0	0	
2,4-Dinitrophenol	BRL	1700	0	0	0	0	0	0	0	0	
2-Chlorophenol	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
3,4-Methylphenol	BRL	330	0	0	0	0	0	0	0	0	
4-Chloro-3-methylphenol	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Carbazole	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Dibenzofuran	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	1700	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Phenol	BRL	330	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **MB-164652**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226302**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164652**	Analysis Date: **08/03/2012**	Seq No: **4739185**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1302	0	1667	0	78.1	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1044	0	1667	0	62.7	37.5	120	0	0	0	
Surr: Phenol-d5	2149	0	3333	0	64.5	39	120	0	0	0	

Sample ID: **LCS-164652**	Client ID:	Units: **ug/Kg**	Prep Date: **08/02/2012**	Run No: **226302**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164652**	Analysis Date: **08/03/2012**	Seq No: **4747716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2519	330	3333	0	75.6	59	120	0	0	0	
4-Chloro-3-methylphenol	2772	330	3333	0	83.2	55.1	120	0	0	0	
Acenaphthene	2655	330	3333	0	79.7	59	120	0	0	0	
Pentachlorophenol	3083	1700	3333	0	92.5	44.6	120	0	0	0	
Phenol	2367	330	3333	0	71	55.1	120	0	0	0	
Pyrene	2706	330	3333	0	81.2	62.8	123	0	0	0	
Surr: 4-Terphenyl-d14	1655	0	1667	0	99.3	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	1379	0	1667	0	82.7	37.5	120	0	0	0	
Surr: Phenol-d5	2716	0	3333	0	81.5	39	120	0	0	0	

Sample ID: **1207J12-038CMS**	Client ID: **SB/TW-19@35-36**	Units: **ug/Kg-dry**	Prep Date: **08/03/2012**	Run No: **226493**
SampleType: **MS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **164652**	Analysis Date: **08/06/2012**	Seq No: **4740580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	BRL	3800	3865	0	84.3	44.8	120	0	0	0	
4-Chloro-3-methylphenol	6033	3800	3865	0	156	45.1	120	0	0	0	S
Acenaphthene	332500	3800	3865	49170	7330	50.4	120	0	0	0	SE
Pentachlorophenol	44680	20000	3865	0	1160	31.1	120	0	0	0	S
Phenol	BRL	3800	3865	0	80.3	43.9	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164652

Sample ID: **1207J12-038CMS** Client ID: **SB/TW-19@35-36** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226493**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/06/2012** Seq No: **4740580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	241700	3800	3865	27850	5530	47.9	115	0	0	0	SE
Surr: 4-Terphenyl-d14	2219	0	1933	0	115	50.1	123	0	0	0	
Surr: Nitrobenzene-d5	2648	0	1933	0	137	37.5	120	0	0	0	S
Surr: Phenol-d5	3243	0	3865	0	83.9	39	120	0	0	0	

Sample ID: **1207J12-038CMSD** Client ID: **SB/TW-19@35-36** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226493**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **164652** Analysis Date: **08/06/2012** Seq No: **4740584**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	BRL	3800	3869	0	69.4	44.8	120	3258	0	21.7	
4-Chloro-3-methylphenol	BRL	3800	3869	0	90.8	45.1	120	6033	0	23	
Acenaphthene	244700	3800	3869	49170	5050	50.4	120	332500	30.4	21.3	SRE
Pentachlorophenol	47490	20000	3869	0	1230	31.1	120	44680	6.08	20.6	S
Phenol	BRL	3800	3869	0	66.7	43.9	120	3104	0	21	
Pyrene	139000	3800	3869	27850	2870	47.9	115	241700	53.9	18.9	SRE
Surr: 4-Terphenyl-d14	2093	0	1934	0	108	50.1	123	2219	0	0	
Surr: Nitrobenzene-d5	1791	0	1934	0	92.6	37.5	120	2648	0	0	
Surr: Phenol-d5	2693	0	3869	0	69.6	39	120	3243	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164657

Sample ID: **MB-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736390**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.46	0	50	0	90.9	56.5	134	0	0	0	
Surr: Dibromofluoromethane	48.54	0	50	0	97.1	71.8	135	0	0	0	
Surr: Toluene-d8	50.41	0	50	0	101	77.1	117	0	0	0	

Sample ID: **LCS-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.05	5.0	50	0	106	60	140	0	0	0	
Benzene	48.86	5.0	50	0	97.7	70	130	0	0	0	
Toluene	46.63	5.0	50	0	93.3	70	130	0	0	0	
Trichloroethene	48.50	5.0	50	0	97	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.91	0	50	0	108	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164657

Sample ID: **LCS-164657** Client ID: Units: **ug/Kg** Prep Date: **08/01/2012** Run No: **226258**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/01/2012** Seq No: **4736391**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.81	0	50	0	104	71.8	135	0	0	0	
Surr: Toluene-d8	49.38	0	50	0	98.8	77.1	117	0	0	0	

Sample ID: **1207I89-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226259**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/02/2012** Seq No: **4736993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	91.90	7.3	72.94	0	126	51	159	0	0	0	
Benzene	84.05	7.3	72.94	0	115	67.6	139	0	0	0	
Toluene	83.61	7.3	72.94	1.228	113	63.5	140	0	0	0	
Trichloroethene	85.04	7.3	72.94	0	117	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	74.75	0	72.94	0	102	56.5	134	0	0	0	
Surr: Dibromofluoromethane	72.35	0	72.94	0	99.2	71.8	135	0	0	0	
Surr: Toluene-d8	71.22	0	72.94	0	97.6	77.1	117	0	0	0	

Sample ID: **1207I89-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/01/2012** Run No: **226259**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164657** Analysis Date: **08/02/2012** Seq No: **4736994**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	91.06	7.3	72.94	0	125	51	159	91.90	0.909	25.7	
Benzene	82.69	7.3	72.94	0	113	67.6	139	84.05	1.63	18.5	
Toluene	80.65	7.3	72.94	1.228	109	63.5	140	83.61	3.61	18.8	
Trichloroethene	84.27	7.3	72.94	0	116	67.6	145	85.04	0.913	20.7	
Surr: 4-Bromofluorobenzene	76.64	0	72.94	0	105	56.5	134	74.75	0	0	
Surr: Dibromofluoromethane	69.44	0	72.94	0	95.2	71.8	135	72.35	0	0	
Surr: Toluene-d8	69.63	0	72.94	0	95.5	77.1	117	71.22	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164694

Sample ID: **MB-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736751**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	43.56	0	50	0	87.1	56.5	134	0	0	0	
Surr: Dibromofluoromethane	53.51	0	50	0	107	71.8	135	0	0	0	
Surr: Toluene-d8	45.90	0	50	0	91.8	77.1	117	0	0	0	

Sample ID: **LCS-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.95	5.0	50	0	102	60	140	0	0	0	
Benzene	44.60	5.0	50	0	89.2	70	130	0	0	0	
Toluene	42.95	5.0	50	0	85.9	70	130	0	0	0	
Trichloroethene	41.94	5.0	50	0	83.9	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.19	0	50	0	106	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164694

Sample ID: **LCS-164694** Client ID: Units: **ug/Kg** Prep Date: **08/02/2012** Run No: **226309**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/02/2012** Seq No: **4736758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	54.38	0	50	0	109	71.8	135	0	0	0	
Surr: Toluene-d8	47.60	0	50	0	95.2	77.1	117	0	0	0	

Sample ID: **1207J12-039AMS** Client ID: **SB/TW-17@17-18** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226469**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/06/2012** Seq No: **4739899**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.99	6.2	61.66	0	87.6	51	159	0	0	0	
Benzene	55.33	6.2	61.66	0	89.7	67.6	139	0	0	0	
Toluene	56.59	6.2	61.66	0	91.8	63.5	140	0	0	0	
Trichloroethene	54.88	6.2	61.66	0	89	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	62.81	0	61.66	0	102	56.5	134	0	0	0	
Surr: Dibromofluoromethane	58.92	0	61.66	0	95.6	71.8	135	0	0	0	
Surr: Toluene-d8	62.91	0	61.66	0	102	77.1	117	0	0	0	

Sample ID: **1207J12-039AMSD** Client ID: **SB/TW-17@17-18** Units: **ug/Kg-dry** Prep Date: **08/02/2012** Run No: **226469**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164694** Analysis Date: **08/06/2012** Seq No: **4739900**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	66.68	6.2	61.66	0	108	51	159	53.99	21	25.7	
Benzene	62.72	6.2	61.66	0	102	67.6	139	55.33	12.5	18.5	
Toluene	65.80	6.2	61.66	0	107	63.5	140	56.59	15.1	18.8	
Trichloroethene	63.87	6.2	61.66	0	104	67.6	145	54.88	15.1	20.7	
Surr: 4-Bromofluorobenzene	63.42	0	61.66	0	103	56.5	134	62.81	0	0	
Surr: Dibromofluoromethane	58.50	0	61.66	0	94.9	71.8	135	58.92	0	0	
Surr: Toluene-d8	61.55	0	61.66	0	99.8	77.1	117	62.91	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164752

Sample ID: **MB-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738601**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
2-Butanone	BRL	2500	0	0	0	0	0	0	0	0	
Acetone	BRL	5000	0	0	0	0	0	0	0	0	
Benzene	BRL	250	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	250	0	0	0	0	0	0	0	0	
o-Xylene	BRL	250	0	0	0	0	0	0	0	0	
Styrene	BRL	250	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	250	0	0	0	0	0	0	0	0	
Toluene	BRL	250	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	250	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	2324	0	2500	0	92.9	56.5	134	0	0	0	
Surr: Dibromofluoromethane	2566	0	2500	0	103	71.8	135	0	0	0	
Surr: Toluene-d8	2261	0	2500	0	90.4	77.1	117	0	0	0	

Sample ID: **LCS-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226464**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/04/2012** Seq No: **4739788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3059	250	2500	0	122	60	140	0	0	0	
Benzene	2496	250	2500	0	99.9	70	130	0	0	0	
Toluene	2559	250	2500	0	102	70	130	0	0	0	
Trichloroethene	2736	250	2500	0	109	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	2665	0	2500	0	107	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164752

Sample ID: **LCS-164752** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226464**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/04/2012** Seq No: **4739788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	2568	0	2500	0	103	71.8	135	0	0	0	
Surr: Toluene-d8	2374	0	2500	0	95	77.1	117	0	0	0	

Sample ID: **1207J12-037AMS** Client ID: **SB/TW-19@15-16** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738610**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	24850	1900	19150	0	130	51	159	0	0	0	
Benzene	19660	1900	19150	0	103	67.6	139	0	0	0	
Toluene	20800	1900	19150	0	109	63.5	140	0	0	0	
Trichloroethene	21410	1900	19150	0	112	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	21820	0	19150	0	114	56.5	134	0	0	0	
Surr: Dibromofluoromethane	20650	0	19150	0	108	71.8	135	0	0	0	
Surr: Toluene-d8	18150	0	19150	0	94.8	77.1	117	0	0	0	

Sample ID: **1207J12-037AMSD** Client ID: **SB/TW-19@15-16** Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226340**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164752** Analysis Date: **08/03/2012** Seq No: **4738611**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	23290	1900	19150	0	122	51	159	24850	6.46	25.7	
Benzene	18930	1900	19150	0	98.8	67.6	139	19660	3.77	18.5	
Toluene	20150	1900	19150	0	105	63.5	140	20800	3.2	18.8	
Trichloroethene	20610	1900	19150	0	108	67.6	145	21410	3.81	20.7	
Surr: 4-Bromofluorobenzene	21520	0	19150	0	112	56.5	134	21820	0	0	
Surr: Dibromofluoromethane	20480	0	19150	0	107	71.8	135	20650	0	0	
Surr: Toluene-d8	18810	0	19150	0	98.2	77.1	117	18150	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164775

Sample ID: **MB-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739775**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	51.39	0	50	0	103	56.5	134	0	0	0	
Surr: Dibromofluoromethane	47.13	0	50	0	94.3	71.8	135	0	0	0	
Surr: Toluene-d8	47.69	0	50	0	95.4	77.1	117	0	0	0	

Sample ID: **LCS-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739777**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.94	5.0	50	0	126	60	140	0	0	0	
Benzene	56.46	5.0	50	0	113	70	130	0	0	0	
Toluene	56.90	5.0	50	0	114	70	130	0	0	0	
Trichloroethene	59.36	5.0	50	0	119	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.39	0	50	0	103	56.5	134	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1207J12

ANALYTICAL QC SUMMARY REPORT

BatchID: 164775

Sample ID: **LCS-164775** Client ID: Units: **ug/Kg** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739777**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	48.60	0	50	0	97.2	71.8	135	0	0	0	
Surr: Toluene-d8	46.67	0	50	0	93.3	77.1	117	0	0	0	

Sample ID: **1208219-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	78.08	7.3	73.24	0	107	51	159	0	0	0	
Benzene	76.34	7.3	73.24	0	104	67.6	139	0	0	0	
Toluene	77.62	7.3	73.24	0	106	63.5	140	0	0	0	
Trichloroethene	78.56	7.3	73.24	0	107	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	75.87	0	73.24	0	104	56.5	134	0	0	0	
Surr: Dibromofluoromethane	68.97	0	73.24	0	94.2	71.8	135	0	0	0	
Surr: Toluene-d8	71.60	0	73.24	0	97.8	77.1	117	0	0	0	

Sample ID: **1208219-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/03/2012** Run No: **226463**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **164775** Analysis Date: **08/03/2012** Seq No: **4739779**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	83.15	7.3	73.24	0	114	51	159	78.08	6.29	25.7	
Benzene	82.05	7.3	73.24	0	112	67.6	139	76.34	7.21	18.5	
Toluene	81.89	7.3	73.24	0	112	63.5	140	77.62	5.34	18.8	
Trichloroethene	83.34	7.3	73.24	0	114	67.6	145	78.56	5.9	20.7	
Surr: 4-Bromofluorobenzene	75.03	0	73.24	0	102	56.5	134	75.87	0	0	
Surr: Dibromofluoromethane	70.11	0	73.24	0	95.7	71.8	135	68.97	0	0	
Surr: Toluene-d8	71.77	0	73.24	0	98	77.1	117	71.60	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Pace Analytical™

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Report Prepared for:

James Forrest
Analytical Environmental Services
3785 Presidential Parkway
Atlanta GA 30340

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Information:

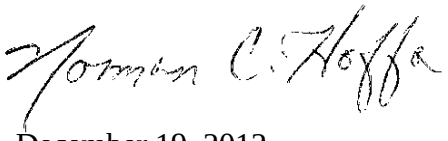
Pace Project #: 10212654
Sample Receipt Date: 11/16/2012
Client Project #: 1211B83
Client Sub PO #: N/A
State Cert #: 959

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Norman Hoffa, your Pace Project Manager.

This report has been reviewed by:



December 19, 2012

Norman Hoffa, Project Manager
(919) 596-1935
(612) 607-6444 (fax)
norm.hoffa@pacelabs.com

Report Prepared Date:
December 18, 2012

ACCREDITED IN ACCORDANCE WITH nelac

Report of Laboratory Analysis

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The results relate only to the samples included in this report.

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on 3 samples submitted by a representative of AES GA. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8280A. The reporting limits ranged from 1.0-5.0 ug/Kg as specified in Table 2 of the method and were not adjusted for sample amount.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 27-105%. Except for two low values, which were flagged "R" on the results table, the labeled standard recoveries obtained for this project were within the 25-150% target range specified in Method 8280A. Since the internal standards were added prior to extraction, the data were automatically corrected for variation in recovery and accurate results were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCDDs and PCDFs at the reporting limits. This indicates that the sample preparation procedures did not significantly impact the results reported for the field sample.

A laboratory spike sample was also prepared using clean sand that had been fortified with native standard materials. Recoveries of the native compounds ranged from 81-115%. Matrix spikes were prepared on a different project within this batch. Matrix spike results are available upon request.

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Montana	92
Alaska	MN00064	Nebraska	
Arizona	AZ0014	Nevada	MN_00064_200
Arkansas	88-0680	New Jersey (NE	MN002
California	01155CA	New Mexico	MN00064
Colorado	MN00064	New York (NEL	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 5	WD-15J	North Dakota	R-036
EPA Region 8	8TMS-Q	Ohio	4150
Florida (NELAP	E87605	Ohio VAP	CL101 9507
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennesee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

Report No....10212654_8280

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 10212654

Date: _____ Page _____ of _____

COMPANY: AES	ADDRESS: Same as above
PHONE:	FAX:
SAMPLED BY:	SIGNATURE:

ANALYSIS REQUESTED: Dioxins 8280 (EPA 1613B)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB/TW-26@ 20-21'	11/12	14:10	✓		Soil	✓	001	1
2	SB/TW-28@ 11-12'	11/12	15:20	✓		Soil	✓	002	1
3	SWMU-3B @19-20	11/13	10:20	✓		Soil	✓	003	1
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: BMott	11/15/12 5:15 pm	1: Cliff Rice T=2.4	11-15-12 9:35
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: 121383

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: jforrest@aesatlanta.com

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 3

Turnaround Time Request

- ✓ Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Document Revised: 13Nov2012 Page 1 of 1
	Document No.: F-MN-L-213-rev.05	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: AES

Project #: WO# : 10212654

10212654

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 4649 1731 3449

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No **Optional:** Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ B88A912167504 ☑ 80512447 **Type of Ice:** ☐ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 2.2 **Cooler Temp Corrected (°C):** 2.4 **Biological Tissue Frozen?** ☐ Yes ☐ No

Temp should be above freezing to 6°C **Date and Initials of Person Examining Contents:** CB 11.16.12

Comments:

Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☐ Yes	☑ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☑ No	☐ N/A	11.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: SL				
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐ Yes	☑ No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

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Appendix B

Sample Analysis Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	SB/TW-26@20-21'		
Lab Sample ID	10212654001-2R		
Filename	C121213A_08		
Injected By	ACE	Matrix	Solid
Total Amount Extracted	10.0 g	Dilution	NA
% Moisture	NA	Collected	11/12/2012 14:10
ICAL Date	08/11/2012	Received	11/16/2012 09:35
CCal Filename(s)	C121213A_02 & C121213A_17	Extracted	12/10/2012 21:30
Method Blank ID	BLANK-34846	Analyzed	12/13/2012 20:09

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	27
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	63
				1,2,3,6,7,8-HxCDD-13C	50.00	13 R
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	36
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	11 R
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	75
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5			
Total HpCDF	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	5.9	-----	2.5			
OCDF	6.4	-----	5.0			
OCDD	69.0	-----	5.0			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
R = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
P = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	SB/TW-28@11-12'		
Lab Sample ID	10212654002-2R		
Filename	C121213A_09		
Injected By	ACE	Matrix	Solid
Total Amount Extracted	10.0 g	Dilution	NA
% Moisture	NA	Collected	11/12/2012 15:20
ICAL Date	08/11/2012	Received	11/16/2012 09:35
CCal Filename(s)	C121213A_02 & C121213A_17	Extracted	12/10/2012 21:30
Method Blank ID	BLANK-34846	Analyzed	12/13/2012 20:54

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	107
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	105
				1,2,3,6,7,8-HxCDD-13C	50.00	89
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	97
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	93
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	127
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5			
Total HpCDF	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	ND	-----	2.5			
OCDF	ND	-----	5.0			
OCDD	ND	-----	5.0			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
R = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
P = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	SWMU-3B@19-20'		
Lab Sample ID	10212654003-2R		
Filename	C121213A_10		
Injected By	ACE	Matrix	Solid
Total Amount Extracted	10.0 g	Dilution	NA
% Moisture	NA	Collected	11/12/2012 10:20
ICAL Date	08/11/2012	Received	11/16/2012 09:35
CCal Filename(s)	C121213A_02 & C121213A_17	Extracted	12/10/2012 21:30
Method Blank ID	BLANK-34846	Analyzed	12/13/2012 21:40

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	87
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	85
				1,2,3,6,7,8-HxCDD-13C	50.00	77
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	90
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	76
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	102
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5			
Total HpCDF	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	ND	-----	2.5			
OCDF	ND	-----	5.0			
OCDD	ND	-----	5.0			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
R = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
P = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Blank Analysis Results

Lab Sample ID	BLANK-34846	Matrix	Solid
Filename	C121213A_06	Dilution	NA
Total Amount Extracted	10.0 g	Extracted	12/10/2012 21:30
ICAL ID	10MSS7-120811A	Analyzed	12/13/2012 18:39
CCal Filename(s)	C121213A_02 & C121213A_17	Injected By	ACE

Native Isomers	Conc ug/Kg	EMPC ug/Kg	RL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	75
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	82
				1,2,3,6,7,8-HxCDD-13C	50.00	66
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	66
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	59
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	90
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5			
Total HpCDF	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	ND	-----	2.5			
OCDF	ND	-----	5.0			
OCDD	ND	-----	5.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Laboratory Control Spike Results

Client - Analytical Environmental Services

Lab Sample ID	LCS-34847		
Filename	C121213A_03	Matrix	Solid
Total Amount Extracted	10.0 g	Dilution	NA
ICAL Date	08/11/2012	Extracted	12/10/2012 21:30
CCal Filename(s)	C121213A_02 & C121213A_17	Analyzed	12/13/2012 16:25
Method Blank ID	BLANK-34846	Injected By	ACE

Native Isomers	Qs (ng)	Qm (ng)	% Rec.
2,3,7,8-TCDF	25.00	24.86	99
2,3,7,8-TCDD	25.00	24.97	100
1,2,3,7,8-PeCDF	62.50	61.66	99
1,2,3,7,8-PeCDD	62.50	68.33	109
1,2,3,6,7,8-HxCDF	62.50	50.59	81
1,2,3,6,7,8-HxCDD	62.50	57.85	93
1,2,3,4,6,7,8-HpCDF	62.50	71.95	115
1,2,3,4,6,7,8-HpCDD	62.50	61.61	99
OCDF	125.00	109.76	88
OCDD	125.00	135.10	108

Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF-13C	50.00	85
2,3,7,8-TCDD-13C	50.00	92
1,2,3,6,7,8-HxCDD-13C	50.00	88
1,2,3,4,6,7,8-HpCDF-13C	100.00	86
OCDD-13C	100.00	83
1,2,3,4-TCDD-13C	50.00	NA
1,2,3,7,8,9-HxCDD-13C	50.00	NA
2,3,7,8-TCDD-37Cl4	25.00	103

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Outside the target recovery range of the method
X = Background subtracted value
NA = Not Applicable
NC = Not Calculated
I = Interference

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

April 10, 2017

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1703M79

Analytical Environmental Services, Inc. received 29 samples on 3/24/2017 3:45:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

Ioana Pacurar

Ioana Pacurar
Project Manager

Revision 4/10/2017

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1703M79

Date: 3/24/17 Page 1 of 2

COMPANY:	ADDRESS:
Enviroiste Consultants, Inc	5335 S. Madison Ave, Monroe, Georgia
PHONE: 678-635-7360	FAX: 678-635-7380
SAMPLED BY:	SIGNATURE:

ANALYSIS REQUESTED: 8260*, 8270*, TOTAL Metals*

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	REMARKS	No # of Containers
1	TMW-1-(0-1')	3/22/17	1130	✓		SO		6
2	TMW-1-2'		1145	✓		SO		6
3	TMW-2-(0-1')		1230	✓		SO		6
4	TMW-2-4.5'		1245	✓		SO		6
5	TMW-3-(0-1')		1330	✓		SO		6
6	TMW-4-(0-1')		1430	✓		SO		6
7	TMW-5-(0-1')		1505	✓		SO		6
8	TMW-6-(0-1')		1545	✓		SO		6
9	TMW-6-2'		1555	✓		SO		6
10	TMW-7-(0-1')	3/23/17	1030	✓		SO		6
11	TMW-7-2'		1040	✓		SO		6
12	TMW-8-(0-1')		1130	✓		SO		6
13	TMW-8-9'		1150	✓		SO		6
14	TMW-9-(0-1')		1230	✓		SO		6

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1:	3/24/17 15:45	1:	3/24/17 1545
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: WC MEREDITH
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: Ken Summerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SPECIAL INSTRUCTIONS/COMMENTS:
* Site Specific
8260 - Metals - Aluminum, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper Lead Nickel, Selenium, Vanadium, Zinc

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

AES

CHAIN OF CUSTODY

Work Order: 1703M79

Date: 3/24/17 Page 2 of 2

COMPANY:	ADDRESS:
Environsk Consultants, Inc.	533 S. Madison Ave Monroe, Georgia
PHONE: 678-635-7360	FAX: 678-635-7380
SAMPLED BY: Jason Chappell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260*	8270*	TOTAL METALS*	REMARKS	No # of Containers
1	TMW-10-(0-1')	3/23/17	1305	✓		SO	✓	✓	✓		6
2	TMW-11-(0-1')		1400	✓		SO	✓	✓	✓		6
3	TMW-12-(0-1')	3/24/17	945	✓		SO	✓	✓	✓		6
4	TMW-13-(0-1')		1040	✓		SO	✓	✓	✓		6
5	TMW-13-2'		1045	✓		SO	✓	✓	✓		6
6	TMW-14-(0-1')		1130	✓		SO	✓	✓	✓		6
7	TMW-14-2.5'		1140	✓		SO	✓	✓	✓		6
8	TMW-15-(0-1')		1240	✓		SO	✓	✓	✓		6
9	TMW-15-4'		1250	✓		SO	✓	✓	✓		6
10	TMW-16-(0-1')		1330	✓		SO	✓	✓	✓		6
11	TMW-16-3.5'		1340	✓		SO	✓	✓	✓		6
12	EB-1		1530	✓		W	✓	✓	✓		5
13											
14											

ANALYSIS REQUESTED

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1:	3/24/17 1545	1:	3/24/17 1545
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC Meredith

PROJECT #: ER-437

SITE ADDRESS: East Point, Georgia

SEND REPORT TO: Ken Summerour

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request

- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):

E-mail? Fax?

DATA PACKAGE: I ○ II ○ III ○ IV ○

SPECIAL INSTRUCTIONS/COMMENTS:

* Site specific

** - Metals - Aluminum, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Vanadium, Zinc

SHIPMENT METHOD:

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1703M79

Case Narrative

Sample Receiving Non-conformance:

Three Trip Blanks were provided but not listed on the Chain of Custody. All Trip blanks were analyzed at no cost to the client.

Additional Analyses:

All samples were additionally analyzed for Mercury by Method SW7470A/SW7471A per Jason Chappelle with Envirorisk Consultants via phone call on 3/27/17.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1703M79-001A, -003A, -005A,-008A, -010A, -011A,-014A, & -016A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recoveries for the internal standard compounds Pentafluorobenzene, Chlorobenzene-d5, 1,4-Dichlorobenzene-d4 on sample 1703M79-015A were outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Semi-Volatile Organics Analysis by Method 8270D:

Percent recovery for the surrogate spiking compound 4-Terphenyl-d14 on QC sample LCS-240120 was outside control limits biased high.

Total Metals by ICP Method SW6010B:

Sample 1703M79-025C As result was reported as estimated due to suspected matrix interference with sample QC criteria at PQL of 0.1 mg/L. All associated batch QC were within limits.

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 11:30:00 AM
Lab ID:	1703M79-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Acetone	BRL	0.18		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
2-Butanone	BRL	0.089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
1,1,1-Trichloroethane	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Benzene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
1,2-Dichloroethane	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Trichloroethene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Toluene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Tetrachloroethene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Ethylbenzene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
m,p-Xylene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
o-Xylene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Styrene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
1,3,5-Trimethylbenzene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
1,2,4-Trimethylbenzene	BRL	0.0089		mg/Kg-dry	240163	1	03/28/2017 16:40	MD
Surr: 4-Bromofluorobenzene	80.3	63-125		%REC	240163	1	03/28/2017 16:40	MD
Surr: Dibromofluoromethane	101	69.9-123		%REC	240163	1	03/28/2017 16:40	MD
Surr: Toluene-d8	95.2	70-122		%REC	240163	1	03/28/2017 16:40	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.150		mg/Kg-dry	240189	1	03/30/2017 18:54	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2,4,6-Trichlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2,4-Dimethylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2,4-Dinitrophenol	BRL	2.6		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2-Chlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2-Methylnaphthalene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
2-Methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
3,4-Methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
4-Chloro-3-methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Acenaphthene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Acenaphthylene	0.66	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Anthracene	1.6	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Benz(a)anthracene	1.6	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Benzo(a)pyrene	1.1	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Benzo(b)fluoranthene	2.2	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Benzo(k)fluoranthene	0.84	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Carbazole	0.55	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Chrysene	1.8	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 11:30:00 AM
Lab ID:	1703M79-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Dibenzofuran	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Fluoranthene	2.5	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Fluorene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Indeno(1,2,3-cd)pyrene	0.99	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Naphthalene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Pentachlorophenol	10.0	5.1		mg/Kg-dry	240120	10	03/30/2017 16:49	YH
Phenanthrene	0.51	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Phenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Pyrene	2.3	0.51		mg/Kg-dry	240120	1	03/29/2017 13:03	YH
Surr: 2,4,6-Tribromophenol	81.2	46.9-137		%REC	240120	1	03/29/2017 13:03	YH
Surr: 2-Fluorobiphenyl	67.8	50-115		%REC	240120	1	03/29/2017 13:03	YH
Surr: 2-Fluorophenol	76.2	41.2-105		%REC	240120	1	03/29/2017 13:03	YH
Surr: 4-Terphenyl-d14	75	51.9-126		%REC	240120	1	03/29/2017 13:03	YH
Surr: Nitrobenzene-d5	71.8	40.2-113		%REC	240120	1	03/29/2017 13:03	YH
Surr: Phenol-d5	78	45-109		%REC	240120	1	03/29/2017 13:03	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	14700	412		mg/Kg-dry	240160	10	04/03/2017 18:58	JL
Arsenic	9.20	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Barium	94.7	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Cadmium	BRL	2.06		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Chromium	35.2	2.06		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Cobalt	7.50	2.06		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Copper	55.3	2.06		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Lead	73.0	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Nickel	11.8	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Selenium	BRL	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Vanadium	43.0	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
Zinc	117	4.12		mg/Kg-dry	240160	1	03/31/2017 22:27	JL
PERCENT MOISTURE D2216								
Percent Moisture	35.8	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1-2'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 11:45:00 AM
Lab ID:	1703M79-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Acetone	BRL	0.15		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
2-Butanone	BRL	0.076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
1,1,1-Trichloroethane	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Benzene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
1,2-Dichloroethane	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Trichloroethene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Toluene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Tetrachloroethene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Ethylbenzene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
m,p-Xylene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
o-Xylene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Styrene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
1,3,5-Trimethylbenzene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
1,2,4-Trimethylbenzene	BRL	0.0076		mg/Kg-dry	240197	1	03/29/2017 15:42	MD
Surr: 4-Bromofluorobenzene	89.1	63-125		%REC	240197	1	03/29/2017 15:42	MD
Surr: Dibromofluoromethane	88	69.9-123		%REC	240197	1	03/29/2017 15:42	MD
Surr: Toluene-d8	97.6	70-122		%REC	240197	1	03/29/2017 15:42	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.644	0.109		mg/Kg-dry	240189	1	03/30/2017 18:59	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	0.83	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Acenaphthene	0.61	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Acenaphthylene	0.74	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Anthracene	4.9	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Benz(a)anthracene	4.0	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Benzo(a)pyrene	2.7	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Benzo(b)fluoranthene	5.8	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Benzo(k)fluoranthene	1.3	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Carbazole	0.75	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Chrysene	4.5	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1-2'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 11:45:00 AM
Lab ID:	1703M79-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	0.42	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Fluoranthene	14	4.0		mg/Kg-dry	240120	10	03/30/2017 17:16	YH
Fluorene	0.62	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Indeno(1,2,3-cd)pyrene	1.3	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Naphthalene	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Pentachlorophenol	9.4	4.0		mg/Kg-dry	240120	10	03/30/2017 17:16	YH
Phenanthrene	1.9	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Phenol	BRL	0.40		mg/Kg-dry	240120	1	03/29/2017 13:30	YH
Pyrene	9.0	4.0		mg/Kg-dry	240120	10	03/30/2017 17:16	YH
Surr: 2,4,6-Tribromophenol	86	46.9-137		%REC	240120	1	03/29/2017 13:30	YH
Surr: 2-Fluorobiphenyl	73.1	50-115		%REC	240120	1	03/29/2017 13:30	YH
Surr: 2-Fluorophenol	84.1	41.2-105		%REC	240120	1	03/29/2017 13:30	YH
Surr: 4-Terphenyl-d14	77.4	51.9-126		%REC	240120	1	03/29/2017 13:30	YH
Surr: Nitrobenzene-d5	78.7	40.2-113		%REC	240120	1	03/29/2017 13:30	YH
Surr: Phenol-d5	84.3	45-109		%REC	240120	1	03/29/2017 13:30	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	14900	417		mg/Kg-dry	240160	10	04/03/2017 19:02	JL
Arsenic	10.9	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Barium	79.4	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Cadmium	BRL	2.09		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Chromium	38.3	2.09		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Cobalt	6.31	2.09		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Copper	37.6	2.09		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Lead	84.8	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Nickel	10.0	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Selenium	BRL	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Vanadium	39.0	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
Zinc	175	4.17		mg/Kg-dry	240160	1	03/31/2017 22:30	JL
PERCENT MOISTURE D2216								
Percent Moisture	16.5	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 12:30:00 PM
Lab ID:	1703M79-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Acetone	0.27	0.20		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
2-Butanone	BRL	0.10		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
1,1,1-Trichloroethane	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Benzene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
1,2-Dichloroethane	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Trichloroethene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Toluene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Tetrachloroethene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Ethylbenzene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
m,p-Xylene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
o-Xylene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Styrene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
1,3,5-Trimethylbenzene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
1,2,4-Trimethylbenzene	BRL	0.010		mg/Kg-dry	240197	1	03/30/2017 11:55	MD
Surr: 4-Bromofluorobenzene	82	63-125		%REC	240197	1	03/30/2017 11:55	MD
Surr: Dibromofluoromethane	93.8	69.9-123		%REC	240197	1	03/30/2017 11:55	MD
Surr: Toluene-d8	94.7	70-122		%REC	240197	1	03/30/2017 11:55	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.121		mg/Kg-dry	240189	1	03/30/2017 19:01	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Benzo(a)pyrene	0.42	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Benzo(b)fluoranthene	0.93	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Carbazole	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Chrysene	0.58	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 12:30:00 PM
Lab ID:	1703M79-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Fluoranthene	0.88	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Fluorene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Naphthalene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Phenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Pyrene	0.79	0.42		mg/Kg-dry	240120	1	03/29/2017 13:56	YH
Surr: 2,4,6-Tribromophenol	82.1	46.9-137		%REC	240120	1	03/29/2017 13:56	YH
Surr: 2-Fluorobiphenyl	66.2	50-115		%REC	240120	1	03/29/2017 13:56	YH
Surr: 2-Fluorophenol	68	41.2-105		%REC	240120	1	03/29/2017 13:56	YH
Surr: 4-Terphenyl-d14	75.5	51.9-126		%REC	240120	1	03/29/2017 13:56	YH
Surr: Nitrobenzene-d5	66.7	40.2-113		%REC	240120	1	03/29/2017 13:56	YH
Surr: Phenol-d5	73.5	45-109		%REC	240120	1	03/29/2017 13:56	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	23300	488		mg/Kg-dry	240160	10	04/03/2017 19:05	JL
Arsenic	9.19	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Barium	92.0	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Cadmium	BRL	2.44		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Chromium	107	2.44		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Cobalt	15.0	2.44		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Copper	36.1	2.44		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Lead	71.3	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Nickel	16.1	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Selenium	BRL	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Vanadium	62.4	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
Zinc	86.2	4.88		mg/Kg-dry	240160	1	03/31/2017 22:40	JL
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2-4.5'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 12:45:00 PM
Lab ID:	1703M79-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Acetone	BRL	0.14		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
2-Butanone	BRL	0.070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
1,1,1-Trichloroethane	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Benzene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
1,2-Dichloroethane	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Trichloroethene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Toluene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Tetrachloroethene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Ethylbenzene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
m,p-Xylene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
o-Xylene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Styrene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
1,3,5-Trimethylbenzene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
1,2,4-Trimethylbenzene	BRL	0.0070		mg/Kg-dry	240197	1	03/30/2017 12:19	MD
Surr: 4-Bromofluorobenzene	93.5	63-125		%REC	240197	1	03/30/2017 12:19	MD
Surr: Dibromofluoromethane	96.6	69.9-123		%REC	240197	1	03/30/2017 12:19	MD
Surr: Toluene-d8	95.6	70-122		%REC	240197	1	03/30/2017 12:19	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.123		mg/Kg-dry	240189	1	03/30/2017 19:03	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Anthracene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Carbazole	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Chrysene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2-4.5'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 12:45:00 PM
Lab ID:	1703M79-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Fluorene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Naphthalene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Phenol	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Pyrene	BRL	0.41		mg/Kg-dry	240120	1	03/29/2017 14:24	YH
Surr: 2,4,6-Tribromophenol	84	46.9-137		%REC	240120	1	03/29/2017 14:24	YH
Surr: 2-Fluorobiphenyl	66.2	50-115		%REC	240120	1	03/29/2017 14:24	YH
Surr: 2-Fluorophenol	74.1	41.2-105		%REC	240120	1	03/29/2017 14:24	YH
Surr: 4-Terphenyl-d14	79.4	51.9-126		%REC	240120	1	03/29/2017 14:24	YH
Surr: Nitrobenzene-d5	69.2	40.2-113		%REC	240120	1	03/29/2017 14:24	YH
Surr: Phenol-d5	76.1	45-109		%REC	240120	1	03/29/2017 14:24	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	23100	511		mg/Kg-dry	240160	10	04/03/2017 19:24	JL
Arsenic	9.55	5.11		mg/Kg-dry	240160	1	04/03/2017 19:21	JL
Barium	76.9	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Cadmium	BRL	2.56		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Chromium	32.8	2.56		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Cobalt	7.17	2.56		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Copper	48.3	2.56		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Lead	13.4	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Nickel	16.4	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Selenium	BRL	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Vanadium	78.5	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
Zinc	69.9	5.11		mg/Kg-dry	240160	1	03/31/2017 22:43	JL
PERCENT MOISTURE D2216								
Percent Moisture	19.5	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-3-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 1:30:00 PM
Lab ID:	1703M79-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Acetone	BRL	0.28		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
2-Butanone	BRL	0.14		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
1,1,1-Trichloroethane	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Benzene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
1,2-Dichloroethane	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Trichloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Toluene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Tetrachloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Ethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
m,p-Xylene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
o-Xylene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Styrene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
1,3,5-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
1,2,4-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/30/2017 13:53	MD
Surr: 4-Bromofluorobenzene	75.7	63-125		%REC	240197	1	03/30/2017 13:53	MD
Surr: Dibromofluoromethane	95.3	69.9-123		%REC	240197	1	03/30/2017 13:53	MD
Surr: Toluene-d8	96.5	70-122		%REC	240197	1	03/30/2017 13:53	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.195		mg/Kg-dry	240189	1	03/30/2017 19:18	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2,4,6-Trichlorophenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2,4-Dimethylphenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2,4-Dinitrophenol	BRL	3.5		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2-Chlorophenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2-Methylnaphthalene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
2-Methylphenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
3,4-Methylphenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
4-Chloro-3-methylphenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Acenaphthene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Acenaphthylene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Anthracene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Benz(a)anthracene	0.78	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Benzo(a)pyrene	0.76	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Benzo(b)fluoranthene	1.6	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Benzo(k)fluoranthene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Carbazole	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Chrysene	1.1	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-3-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 1:30:00 PM
Lab ID:	1703M79-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Dibenzofuran	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Fluoranthene	1.6	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Fluorene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Indeno(1,2,3-cd)pyrene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Naphthalene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Pentachlorophenol	4.3	3.5		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Phenanthrene	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Phenol	BRL	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Pyrene	1.4	0.68		mg/Kg-dry	240120	1	03/29/2017 14:50	YH
Surr: 2,4,6-Tribromophenol	83.9	46.9-137		%REC	240120	1	03/29/2017 14:50	YH
Surr: 2-Fluorobiphenyl	69.4	50-115		%REC	240120	1	03/29/2017 14:50	YH
Surr: 2-Fluorophenol	75.8	41.2-105		%REC	240120	1	03/29/2017 14:50	YH
Surr: 4-Terphenyl-d14	74.7	51.9-126		%REC	240120	1	03/29/2017 14:50	YH
Surr: Nitrobenzene-d5	73.3	40.2-113		%REC	240120	1	03/29/2017 14:50	YH
Surr: Phenol-d5	78.3	45-109		%REC	240120	1	03/29/2017 14:50	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	27400	623		mg/Kg-dry	240160	10	04/03/2017 19:27	JL
Arsenic	13.8	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Barium	164	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Cadmium	BRL	3.11		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Chromium	61.9	3.11		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Cobalt	31.5	3.11		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Copper	62.5	3.11		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Lead	80.4	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Nickel	24.2	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Selenium	BRL	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Vanadium	81.9	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
Zinc	164	6.23		mg/Kg-dry	240160	1	03/31/2017 22:46	JL
PERCENT MOISTURE D2216								
Percent Moisture	51.6	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-4-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 2:30:00 PM
Lab ID:	1703M79-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Acetone	BRL	0.16		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
2-Butanone	BRL	0.078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
1,1,1-Trichloroethane	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Benzene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
1,2-Dichloroethane	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Trichloroethene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Toluene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Tetrachloroethene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Ethylbenzene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
m,p-Xylene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
o-Xylene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Styrene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
1,3,5-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
1,2,4-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	240197	1	03/30/2017 14:17	MD
Surr: 4-Bromofluorobenzene	85.7	63-125		%REC	240197	1	03/30/2017 14:17	MD
Surr: Dibromofluoromethane	93.1	69.9-123		%REC	240197	1	03/30/2017 14:17	MD
Surr: Toluene-d8	97.2	70-122		%REC	240197	1	03/30/2017 14:17	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.105		mg/Kg-dry	240189	1	03/30/2017 19:20	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Anthracene	0.40	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Benz(a)anthracene	0.52	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Benzo(a)pyrene	0.42	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Benzo(b)fluoranthene	0.83	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Carbazole	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Chrysene	0.62	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-4-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 2:30:00 PM
Lab ID:	1703M79-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Fluoranthene	1.1	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Fluorene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Naphthalene	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Pentachlorophenol	2.2	2.0		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Phenanthrene	0.42	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Phenol	BRL	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Pyrene	0.89	0.39		mg/Kg-dry	240120	1	03/29/2017 15:17	YH
Surr: 2,4,6-Tribromophenol	82.7	46.9-137		%REC	240120	1	03/29/2017 15:17	YH
Surr: 2-Fluorobiphenyl	67.7	50-115		%REC	240120	1	03/29/2017 15:17	YH
Surr: 2-Fluorophenol	65.8	41.2-105		%REC	240120	1	03/29/2017 15:17	YH
Surr: 4-Terphenyl-d14	75.6	51.9-126		%REC	240120	1	03/29/2017 15:17	YH
Surr: Nitrobenzene-d5	71.8	40.2-113		%REC	240120	1	03/29/2017 15:17	YH
Surr: Phenol-d5	70.8	45-109		%REC	240120	1	03/29/2017 15:17	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	11600	493		mg/Kg-dry	240160	10	04/03/2017 19:37	JL
Arsenic	BRL	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Barium	132	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Cadmium	BRL	2.47		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Chromium	67.0	2.47		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Cobalt	11.5	2.47		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Copper	17.2	2.47		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Lead	30.5	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Nickel	34.4	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Selenium	BRL	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Vanadium	40.4	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
Zinc	68.5	4.93		mg/Kg-dry	240160	1	03/31/2017 22:50	JL
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-5-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:05:00 PM
Lab ID:	1703M79-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Acetone	BRL	0.21		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
2-Butanone	BRL	0.11		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Benzene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Trichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Toluene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Tetrachloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Ethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
m,p-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
o-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Styrene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/30/2017 15:29	MD
Surr: 4-Bromofluorobenzene	88.8	63-125		%REC	240197	1	03/30/2017 15:29	MD
Surr: Dibromofluoromethane	96.5	69.9-123		%REC	240197	1	03/30/2017 15:29	MD
Surr: Toluene-d8	95.5	70-122		%REC	240197	1	03/30/2017 15:29	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.131		mg/Kg-dry	240189	1	03/30/2017 19:22	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2,4,6-Trichlorophenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2,4-Dimethylphenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2-Chlorophenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2-Methylnaphthalene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
2-Methylphenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
3,4-Methylphenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
4-Chloro-3-methylphenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Acenaphthene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Acenaphthylene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Anthracene	1.1	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Benz(a)anthracene	1.1	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Benzo(a)pyrene	0.92	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Benzo(b)fluoranthene	2.0	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Benzo(k)fluoranthene	0.58	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Carbazole	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Chrysene	1.2	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-5-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:05:00 PM
Lab ID:	1703M79-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Dibenzofuran	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Fluoranthene	2.3	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Fluorene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Indeno(1,2,3-cd)pyrene	0.48	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Naphthalene	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Pentachlorophenol	6.2	2.5		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Phenanthrene	0.93	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Phenol	BRL	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Pyrene	1.8	0.48		mg/Kg-dry	240120	1	03/29/2017 15:44	YH
Surr: 2,4,6-Tribromophenol	98.4	46.9-137		%REC	240120	1	03/29/2017 15:44	YH
Surr: 2-Fluorobiphenyl	80.2	50-115		%REC	240120	1	03/29/2017 15:44	YH
Surr: 2-Fluorophenol	88.9	41.2-105		%REC	240120	1	03/29/2017 15:44	YH
Surr: 4-Terphenyl-d14	84.7	51.9-126		%REC	240120	1	03/29/2017 15:44	YH
Surr: Nitrobenzene-d5	86.9	40.2-113		%REC	240120	1	03/29/2017 15:44	YH
Surr: Phenol-d5	93	45-109		%REC	240120	1	03/29/2017 15:44	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	11800	417		mg/Kg-dry	240160	10	04/03/2017 19:40	JL
Arsenic	5.82	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Barium	82.9	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Cadmium	BRL	2.09		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Chromium	32.7	2.09		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Cobalt	5.73	2.09		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Copper	27.6	2.09		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Lead	34.7	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Nickel	9.95	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Selenium	BRL	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Vanadium	37.1	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
Zinc	75.6	4.17		mg/Kg-dry	240160	1	03/31/2017 22:53	JL
PERCENT MOISTURE D2216								
Percent Moisture	31.2	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:45:00 PM
Lab ID:	1703M79-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Acetone	0.23	0.18		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
2-Butanone	BRL	0.089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
1,1,1-Trichloroethane	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Benzene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
1,2-Dichloroethane	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Trichloroethene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Toluene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Tetrachloroethene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Ethylbenzene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
m,p-Xylene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
o-Xylene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Styrene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
1,3,5-Trimethylbenzene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
1,2,4-Trimethylbenzene	BRL	0.0089		mg/Kg-dry	240197	1	03/30/2017 15:53	MD
Surr: 4-Bromofluorobenzene	84.5	63-125		%REC	240197	1	03/30/2017 15:53	MD
Surr: Dibromofluoromethane	93.1	69.9-123		%REC	240197	1	03/30/2017 15:53	MD
Surr: Toluene-d8	93.9	70-122		%REC	240197	1	03/30/2017 15:53	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.116		mg/Kg-dry	240189	1	03/30/2017 19:24	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Acenaphthylene	0.87	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Anthracene	1.6	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Benz(a)anthracene	2.0	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Benzo(a)pyrene	2.2	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Benzo(b)fluoranthene	5.4	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Benzo(k)fluoranthene	1.5	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Carbazole	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Chrysene	3.2	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:45:00 PM
Lab ID:	1703M79-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	0.48	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Fluoranthene	3.5	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Fluorene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Indeno(1,2,3-cd)pyrene	1.2	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Naphthalene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Phenanthrene	0.58	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Phenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Pyrene	3.6	0.45		mg/Kg-dry	240120	1	03/29/2017 16:11	YH
Surr: 2,4,6-Tribromophenol	90.6	46.9-137		%REC	240120	1	03/29/2017 16:11	YH
Surr: 2-Fluorobiphenyl	75.6	50-115		%REC	240120	1	03/29/2017 16:11	YH
Surr: 2-Fluorophenol	78.4	41.2-105		%REC	240120	1	03/29/2017 16:11	YH
Surr: 4-Terphenyl-d14	87.4	51.9-126		%REC	240120	1	03/29/2017 16:11	YH
Surr: Nitrobenzene-d5	76.8	40.2-113		%REC	240120	1	03/29/2017 16:11	YH
Surr: Phenol-d5	81.9	45-109		%REC	240120	1	03/29/2017 16:11	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	28700	607		mg/Kg-dry	240160	10	04/03/2017 18:35	JL
Arsenic	14.5	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Barium	72.4	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Cadmium	BRL	3.04		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Chromium	40.1	3.04		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Cobalt	9.92	3.04		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Copper	53.6	3.04		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Lead	108	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Nickel	16.8	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Selenium	BRL	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Vanadium	103	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
Zinc	66.7	6.07		mg/Kg-dry	240160	1	03/31/2017 22:01	JL
PERCENT MOISTURE D2216								
Percent Moisture	27.2	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6-2'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:55:00 PM
Lab ID:	1703M79-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Acetone	BRL	0.16		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
2-Butanone	BRL	0.082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
1,1,1-Trichloroethane	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Benzene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
1,2-Dichloroethane	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Trichloroethene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Toluene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Tetrachloroethene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Ethylbenzene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
m,p-Xylene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
o-Xylene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Styrene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
1,3,5-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
1,2,4-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	240295	1	03/30/2017 16:17	MD
Surr: 4-Bromofluorobenzene	88.9	63-125		%REC	240295	1	03/30/2017 16:17	MD
Surr: Dibromofluoromethane	92.5	69.9-123		%REC	240295	1	03/30/2017 16:17	MD
Surr: Toluene-d8	91.3	70-122		%REC	240295	1	03/30/2017 16:17	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.145		mg/Kg-dry	240189	1	03/30/2017 19:30	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2,4,6-Trichlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2,4-Dimethylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2,4-Dinitrophenol	BRL	2.6		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2-Chlorophenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2-Methylnaphthalene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
2-Methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
3,4-Methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
4-Chloro-3-methylphenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Acenaphthene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Acenaphthylene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Anthracene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Benz(a)anthracene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Benzo(a)pyrene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Benzo(b)fluoranthene	0.71	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Benzo(k)fluoranthene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Carbazole	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Chrysene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6-2'
Project Name:	WC Meredith	**Collection Date:**	3/22/2017 3:55:00 PM
Lab ID:	1703M79-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Dibenzofuran	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Fluoranthene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Fluorene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Indeno(1,2,3-cd)pyrene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Naphthalene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Pentachlorophenol	BRL	2.6		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Phenanthrene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Phenol	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Pyrene	BRL	0.51		mg/Kg-dry	240120	1	03/29/2017 16:36	YH
Surr: 2,4,6-Tribromophenol	83.3	46.9-137		%REC	240120	1	03/29/2017 16:36	YH
Surr: 2-Fluorobiphenyl	67.5	50-115		%REC	240120	1	03/29/2017 16:36	YH
Surr: 2-Fluorophenol	79.5	41.2-105		%REC	240120	1	03/29/2017 16:36	YH
Surr: 4-Terphenyl-d14	73.7	51.9-126		%REC	240120	1	03/29/2017 16:36	YH
Surr: Nitrobenzene-d5	72.4	40.2-113		%REC	240120	1	03/29/2017 16:36	YH
Surr: Phenol-d5	79.1	45-109		%REC	240120	1	03/29/2017 16:36	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	20900	534		mg/Kg-dry	240160	10	04/03/2017 19:44	JL
Arsenic	BRL	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Barium	51.1	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Cadmium	BRL	2.67		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Chromium	43.3	2.67		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Cobalt	3.96	2.67		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Copper	34.8	2.67		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Lead	25.7	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Nickel	10.8	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Selenium	BRL	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Vanadium	76.0	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
Zinc	54.2	5.34		mg/Kg-dry	240160	1	03/31/2017 22:56	JL
PERCENT MOISTURE D2216								
Percent Moisture	34.7	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 10:30:00 AM
Lab ID:	1703M79-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Acetone	BRL	0.33		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
2-Butanone	BRL	0.17		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
1,1,1-Trichloroethane	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Benzene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
1,2-Dichloroethane	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Trichloroethene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Toluene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Tetrachloroethene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Ethylbenzene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
m,p-Xylene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
o-Xylene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Styrene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
1,3,5-Trimethylbenzene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
1,2,4-Trimethylbenzene	BRL	0.017		mg/Kg-dry	240197	1	03/29/2017 18:52	MD
Surr: 4-Bromofluorobenzene	78.2	63-125		%REC	240197	1	03/29/2017 18:52	MD
Surr: Dibromofluoromethane	95.2	69.9-123		%REC	240197	1	03/29/2017 18:52	MD
Surr: Toluene-d8	94.3	70-122		%REC	240197	1	03/29/2017 18:52	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.239	0.178		mg/Kg-dry	240291	1	03/30/2017 20:00	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2,4,6-Trichlorophenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2,4-Dimethylphenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2,4-Dinitrophenol	BRL	3.4		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2-Chlorophenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2-Methylnaphthalene	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
2-Methylphenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
3,4-Methylphenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
4-Chloro-3-methylphenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Acenaphthene	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Acenaphthylene	1.3	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Anthracene	2.1	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Benz(a)anthracene	2.6	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Benzo(a)pyrene	2.9	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Benzo(b)fluoranthene	6.3	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Benzo(k)fluoranthene	2.0	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Carbazole	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Chrysene	3.7	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 10:30:00 AM
Lab ID:	1703M79-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Dibenzofuran	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Fluoranthene	5.5	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Fluorene	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Indeno(1,2,3-cd)pyrene	1.6	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Naphthalene	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Pentachlorophenol	4.0	3.4		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Phenanthrene	1.0	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Phenol	BRL	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Pyrene	4.9	0.66		mg/Kg-dry	240120	1	03/29/2017 17:03	YH
Surr: 2,4,6-Tribromophenol	86.2	46.9-137		%REC	240120	1	03/29/2017 17:03	YH
Surr: 2-Fluorobiphenyl	72.7	50-115		%REC	240120	1	03/29/2017 17:03	YH
Surr: 2-Fluorophenol	80.5	41.2-105		%REC	240120	1	03/29/2017 17:03	YH
Surr: 4-Terphenyl-d14	79.2	51.9-126		%REC	240120	1	03/29/2017 17:03	YH
Surr: Nitrobenzene-d5	75.7	40.2-113		%REC	240120	1	03/29/2017 17:03	YH
Surr: Phenol-d5	81.1	45-109		%REC	240120	1	03/29/2017 17:03	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	22200	983		mg/Kg-dry	240160	10	04/03/2017 19:47	JL
Arsenic	25.9	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Barium	155	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Cadmium	BRL	4.92		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Chromium	62.6	4.92		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Cobalt	16.8	4.92		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Copper	76.4	4.92		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Lead	150	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Nickel	20.2	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Selenium	BRL	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Vanadium	78.7	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
Zinc	179	9.83		mg/Kg-dry	240160	1	03/31/2017 22:59	JL
PERCENT MOISTURE D2216								
Percent Moisture	50.3	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7-2'
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 10:40:00 AM
Lab ID:	1703M79-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Acetone	BRL	0.27		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
2-Butanone	BRL	0.14		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
1,1,1-Trichloroethane	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Benzene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
1,2-Dichloroethane	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Trichloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Toluene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Tetrachloroethene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Ethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
m,p-Xylene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
o-Xylene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Styrene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
1,3,5-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
1,2,4-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240197	1	03/29/2017 19:16	MD
Surr: 4-Bromofluorobenzene	76.2	63-125		%REC	240197	1	03/29/2017 19:16	MD
Surr: Dibromofluoromethane	91.5	69.9-123		%REC	240197	1	03/29/2017 19:16	MD
Surr: Toluene-d8	94.8	70-122		%REC	240197	1	03/29/2017 19:16	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.160		mg/Kg-dry	240291	1	03/30/2017 20:03	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2,4,6-Trichlorophenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2,4-Dimethylphenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2,4-Dinitrophenol	BRL	3.1		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2-Chlorophenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2-Methylnaphthalene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
2-Methylphenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
3,4-Methylphenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
4-Chloro-3-methylphenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Acenaphthene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Acenaphthylene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Anthracene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Benz(a)anthracene	1.1	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Benzo(a)pyrene	1.2	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Benzo(b)fluoranthene	2.6	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Benzo(k)fluoranthene	0.79	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Carbazole	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Chrysene	1.5	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7-2'
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 10:40:00 AM
Lab ID:	1703M79-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Dibenzofuran	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Fluoranthene	1.4	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Fluorene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Indeno(1,2,3-cd)pyrene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Naphthalene	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Pentachlorophenol	BRL	3.1		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Phenanthrene	0.71	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Phenol	BRL	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Pyrene	1.6	0.60		mg/Kg-dry	240120	1	03/29/2017 18:25	YH
Surr: 2,4,6-Tribromophenol	81.5	46.9-137		%REC	240120	1	03/29/2017 18:25	YH
Surr: 2-Fluorobiphenyl	64.5	50-115		%REC	240120	1	03/29/2017 18:25	YH
Surr: 2-Fluorophenol	67	41.2-105		%REC	240120	1	03/29/2017 18:25	YH
Surr: 4-Terphenyl-d14	94.1	51.9-126		%REC	240120	1	03/29/2017 18:25	YH
Surr: Nitrobenzene-d5	68.1	40.2-113		%REC	240120	1	03/29/2017 18:25	YH
Surr: Phenol-d5	70.6	45-109		%REC	240120	1	03/29/2017 18:25	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	16600	573		mg/Kg-dry	240160	10	04/03/2017 19:50	JL
Arsenic	7.23	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Barium	89.0	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Cadmium	BRL	2.86		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Chromium	39.3	2.86		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Cobalt	26.9	2.86		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Copper	41.5	2.86		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Lead	106	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Nickel	19.2	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Selenium	BRL	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Vanadium	69.8	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
Zinc	114	5.73		mg/Kg-dry	240160	1	03/31/2017 23:03	JL
PERCENT MOISTURE D2216								
Percent Moisture	44.7	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 11:30:00 AM
Lab ID:	1703M79-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Acetone	BRL	0.22		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
2-Butanone	BRL	0.11		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Benzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Trichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Toluene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Tetrachloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Ethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
m,p-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
o-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Styrene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 19:39	MD
Surr: 4-Bromofluorobenzene	92.7	63-125		%REC	240197	1	03/29/2017 19:39	MD
Surr: Dibromofluoromethane	96.5	69.9-123		%REC	240197	1	03/29/2017 19:39	MD
Surr: Toluene-d8	94.3	70-122		%REC	240197	1	03/29/2017 19:39	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.130		mg/Kg-dry	240291	1	03/30/2017 19:37	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Acenaphthylene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Anthracene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Benz(a)anthracene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Benzo(a)pyrene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Benzo(b)fluoranthene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Benzo(k)fluoranthene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Carbazole	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Chrysene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 11:30:00 AM
Lab ID:	1703M79-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Fluoranthene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Fluorene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Indeno(1,2,3-cd)pyrene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Naphthalene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Phenanthrene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Phenol	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Pyrene	BRL	0.45		mg/Kg-dry	240120	1	03/29/2017 11:41	YH
Surr: 2,4,6-Tribromophenol	76.8	46.9-137		%REC	240120	1	03/29/2017 11:41	YH
Surr: 2-Fluorobiphenyl	61.8	50-115		%REC	240120	1	03/29/2017 11:41	YH
Surr: 2-Fluorophenol	71.3	41.2-105		%REC	240120	1	03/29/2017 11:41	YH
Surr: 4-Terphenyl-d14	96.1	51.9-126		%REC	240120	1	03/29/2017 11:41	YH
Surr: Nitrobenzene-d5	65.5	40.2-113		%REC	240120	1	03/29/2017 11:41	YH
Surr: Phenol-d5	71.2	45-109		%REC	240120	1	03/29/2017 11:41	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	32000	446		mg/Kg-dry	240160	10	04/03/2017 19:53	JL
Arsenic	9.83	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Barium	69.2	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Cadmium	BRL	2.23		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Chromium	37.9	2.23		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Cobalt	9.41	2.23		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Copper	31.3	2.23		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Lead	24.0	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Nickel	13.1	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Selenium	BRL	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Vanadium	85.0	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
Zinc	42.0	4.46		mg/Kg-dry	240160	1	03/31/2017 23:06	JL
PERCENT MOISTURE D2216								
Percent Moisture	26.6	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8-9'
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 11:50:00 AM
Lab ID:	1703M79-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Acetone	BRL	0.16		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
2-Butanone	BRL	0.082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
1,1,1-Trichloroethane	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Benzene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
1,2-Dichloroethane	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Trichloroethene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Toluene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Tetrachloroethene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Ethylbenzene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
m,p-Xylene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
o-Xylene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Styrene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
1,3,5-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
1,2,4-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	240197	1	03/29/2017 20:04	MD
Surr: 4-Bromofluorobenzene	86.5	63-125		%REC	240197	1	03/29/2017 20:04	MD
Surr: Dibromofluoromethane	89.6	69.9-123		%REC	240197	1	03/29/2017 20:04	MD
Surr: Toluene-d8	93.9	70-122		%REC	240197	1	03/29/2017 20:04	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.112		mg/Kg-dry	240291	1	03/30/2017 20:05	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Carbazole	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Chrysene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8-9'
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 11:50:00 AM
Lab ID:	1703M79-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Fluorene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Naphthalene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Phenol	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Pyrene	BRL	0.42		mg/Kg-dry	240120	1	03/29/2017 18:50	YH
Surr: 2,4,6-Tribromophenol	78.1	46.9-137		%REC	240120	1	03/29/2017 18:50	YH
Surr: 2-Fluorobiphenyl	58.7	50-115		%REC	240120	1	03/29/2017 18:50	YH
Surr: 2-Fluorophenol	63.5	41.2-105		%REC	240120	1	03/29/2017 18:50	YH
Surr: 4-Terphenyl-d14	82	51.9-126		%REC	240120	1	03/29/2017 18:50	YH
Surr: Nitrobenzene-d5	62.5	40.2-113		%REC	240120	1	03/29/2017 18:50	YH
Surr: Phenol-d5	69.4	45-109		%REC	240120	1	03/29/2017 18:50	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	26200	386		mg/Kg-dry	240160	10	04/03/2017 19:57	JL
Arsenic	5.14	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Barium	80.6	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Cadmium	BRL	1.93		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Chromium	27.4	1.93		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Cobalt	3.67	1.93		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Copper	35.2	1.93		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Lead	13.5	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Nickel	13.6	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Selenium	BRL	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Vanadium	64.0	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
Zinc	49.5	3.86		mg/Kg-dry	240160	1	03/31/2017 23:09	JL
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-9-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 12:30:00 PM
Lab ID:	1703M79-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Acetone	BRL	0.22		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
2-Butanone	BRL	0.11		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Benzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Trichloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Toluene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Tetrachloroethene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Ethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
m,p-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
o-Xylene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Styrene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240197	1	03/29/2017 20:28	MD
Surr: 4-Bromofluorobenzene	79.7	63-125		%REC	240197	1	03/29/2017 20:28	MD
Surr: Dibromofluoromethane	93.4	69.9-123		%REC	240197	1	03/29/2017 20:28	MD
Surr: Toluene-d8	91.9	70-122		%REC	240197	1	03/29/2017 20:28	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.286	0.151		mg/Kg-dry	240291	1	03/30/2017 20:07	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2,4,6-Trichlorophenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2,4-Dimethylphenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2,4-Dinitrophenol	BRL	2.7		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2-Chlorophenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2-Methylnaphthalene	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
2-Methylphenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
3,4-Methylphenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
4-Chloro-3-methylphenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Acenaphthene	30	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Acenaphthylene	3.9	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Anthracene	9.5	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Benz(a)anthracene	31	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Benzo(a)pyrene	58	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Benzo(b)fluoranthene	110	53		mg/Kg-dry	240120	100	03/30/2017 20:18	YH
Benzo(k)fluoranthene	24	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Carbazole	2.3	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Chrysene	45	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-9-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 12:30:00 PM
Lab ID:	1703M79-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	11	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Dibenzofuran	2.3	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Fluoranthene	36	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Fluorene	26	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Indeno(1,2,3-cd)pyrene	31	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Naphthalene	1.4	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Pentachlorophenol	BRL	2.7		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Phenanthrene	2.4	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Phenol	BRL	0.53		mg/Kg-dry	240120	1	03/29/2017 19:16	YH
Pyrene	28	5.3		mg/Kg-dry	240120	10	03/30/2017 16:28	YH
Surr: 2,4,6-Tribromophenol	89.5	46.9-137		%REC	240120	1	03/29/2017 19:16	YH
Surr: 2-Fluorobiphenyl	74.2	50-115		%REC	240120	1	03/29/2017 19:16	YH
Surr: 2-Fluorophenol	84.9	41.2-105		%REC	240120	1	03/29/2017 19:16	YH
Surr: 4-Terphenyl-d14	74.5	51.9-126		%REC	240120	1	03/29/2017 19:16	YH
Surr: Nitrobenzene-d5	81.4	40.2-113		%REC	240120	1	03/29/2017 19:16	YH
Surr: Phenol-d5	88.7	45-109		%REC	240120	1	03/29/2017 19:16	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	16200	626		mg/Kg-dry	240160	10	04/03/2017 20:03	JL
Arsenic	9.65	6.26		mg/Kg-dry	240160	1	04/03/2017 20:00	JL
Barium	78.0	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Cadmium	BRL	3.13		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Chromium	237	3.13		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Cobalt	5.84	3.13		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Copper	35.0	3.13		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Lead	92.6	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Nickel	11.4	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Selenium	BRL	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Vanadium	46.5	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
Zinc	588	6.26		mg/Kg-dry	240160	1	03/31/2017 23:19	JL
PERCENT MOISTURE D2216								
Percent Moisture	37.6	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-10-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 1:05:00 PM
Lab ID:	1703M79-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Acetone	0.38	0.30		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
2-Butanone	BRL	0.15		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
1,1,1-Trichloroethane	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Benzene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
1,2-Dichloroethane	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Trichloroethene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Toluene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Tetrachloroethene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Ethylbenzene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
m,p-Xylene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
o-Xylene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Styrene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
1,3,5-Trimethylbenzene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
1,2,4-Trimethylbenzene	BRL	0.015		mg/Kg-dry	240295	1	03/30/2017 16:41	MD
Surr: 4-Bromofluorobenzene	72.7	63-125		%REC	240295	1	03/30/2017 16:41	MD
Surr: Dibromofluoromethane	101	69.9-123		%REC	240295	1	03/30/2017 16:41	MD
Surr: Toluene-d8	82.3	70-122		%REC	240295	1	03/30/2017 16:41	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.184		mg/Kg-dry	240291	1	03/30/2017 20:09	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2,4,6-Trichlorophenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2,4-Dimethylphenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2,4-Dinitrophenol	BRL	3.3		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2-Chlorophenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2-Methylnaphthalene	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
2-Methylphenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
3,4-Methylphenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
4-Chloro-3-methylphenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Acenaphthene	3.8	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Acenaphthylene	2.5	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Anthracene	15	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Benz(a)anthracene	15	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Benzo(a)pyrene	9.7	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Benzo(b)fluoranthene	16	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Benzo(k)fluoranthene	5.2	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Carbazole	2.9	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Chrysene	19	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-10-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 1:05:00 PM
Lab ID:	1703M79-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	1.2	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Dibenzofuran	2.4	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Fluoranthene	52	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Fluorene	5.5	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Indeno(1,2,3-cd)pyrene	2.5	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Naphthalene	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Pentachlorophenol	BRL	33		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Phenanthrene	25	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Phenol	BRL	0.65		mg/Kg-dry	240120	1	03/29/2017 19:42	YH
Pyrene	36	6.5		mg/Kg-dry	240120	10	03/30/2017 16:54	YH
Surr: 2,4,6-Tribromophenol	73	46.9-137		%REC	240120	1	03/29/2017 19:42	YH
Surr: 2-Fluorobiphenyl	59.2	50-115		%REC	240120	1	03/29/2017 19:42	YH
Surr: 2-Fluorophenol	64.9	41.2-105		%REC	240120	1	03/29/2017 19:42	YH
Surr: 4-Terphenyl-d14	67	51.9-126		%REC	240120	1	03/29/2017 19:42	YH
Surr: Nitrobenzene-d5	65.1	40.2-113		%REC	240120	1	03/29/2017 19:42	YH
Surr: Phenol-d5	67.5	45-109		%REC	240120	1	03/29/2017 19:42	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	13800	90.7		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Arsenic	BRL	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Barium	108	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Cadmium	BRL	4.53		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Chromium	41.0	4.53		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Cobalt	11.4	4.53		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Copper	49.3	4.53		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Lead	82.3	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Nickel	14.7	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Selenium	BRL	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Vanadium	47.6	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
Zinc	356	9.07		mg/Kg-dry	240160	1	03/31/2017 23:22	JL
PERCENT MOISTURE D2216								
Percent Moisture	48.9	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-11-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 2:00:00 PM
Lab ID:	1703M79-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Acetone	BRL	0.28		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
2-Butanone	BRL	0.14		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
1,1,1-Trichloroethane	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Benzene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
1,2-Dichloroethane	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Trichloroethene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Toluene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Tetrachloroethene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Ethylbenzene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
m,p-Xylene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
o-Xylene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Styrene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
1,3,5-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
1,2,4-Trimethylbenzene	BRL	0.014		mg/Kg-dry	240295	1	03/30/2017 17:05	MD
Surr: 4-Bromofluorobenzene	76.3	63-125		%REC	240295	1	03/30/2017 17:05	MD
Surr: Dibromofluoromethane	89.8	69.9-123		%REC	240295	1	03/30/2017 17:05	MD
Surr: Toluene-d8	92.6	70-122		%REC	240295	1	03/30/2017 17:05	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.186		mg/Kg-dry	240291	1	03/30/2017 20:12	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	1.8	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2,4,6-Trichlorophenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2,4-Dimethylphenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2,4-Dinitrophenol	BRL	3.2		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2-Chlorophenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2-Methylnaphthalene	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
2-Methylphenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
3,4-Methylphenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
4-Chloro-3-methylphenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Acenaphthene	5.2	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Acenaphthylene	6.3	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Anthracene	12	6.2		mg/Kg-dry	240120	10	03/30/2017 17:20	YH
Benz(a)anthracene	6.0	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Benzo(a)pyrene	8.3	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Benzo(b)fluoranthene	15	6.2		mg/Kg-dry	240120	10	03/30/2017 17:20	YH
Benzo(k)fluoranthene	3.0	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Carbazole	3.7	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Chrysene	7.0	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-11-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/23/2017 2:00:00 PM
Lab ID:	1703M79-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	1.8	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Dibenzofuran	0.66	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Fluoranthene	13	6.2		mg/Kg-dry	240120	10	03/30/2017 17:20	YH
Fluorene	3.8	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Indeno(1,2,3-cd)pyrene	5.1	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Naphthalene	0.66	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Pentachlorophenol	BRL	32		mg/Kg-dry	240120	10	03/30/2017 17:20	YH
Phenanthrene	3.0	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Phenol	BRL	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Pyrene	8.3	0.62		mg/Kg-dry	240120	1	03/29/2017 20:07	YH
Surr: 2,4,6-Tribromophenol	89.4	46.9-137		%REC	240120	1	03/29/2017 20:07	YH
Surr: 2-Fluorobiphenyl	72.1	50-115		%REC	240120	1	03/29/2017 20:07	YH
Surr: 2-Fluorophenol	80.7	41.2-105		%REC	240120	1	03/29/2017 20:07	YH
Surr: 4-Terphenyl-d14	79.9	51.9-126		%REC	240120	1	03/29/2017 20:07	YH
Surr: Nitrobenzene-d5	81.2	40.2-113		%REC	240120	1	03/29/2017 20:07	YH
Surr: Phenol-d5	83.2	45-109		%REC	240120	1	03/29/2017 20:07	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	23200	525		mg/Kg-dry	240160	10	04/03/2017 20:16	JL
Arsenic	14.5	5.25		mg/Kg-dry	240160	1	04/03/2017 20:07	JL
Barium	166	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Cadmium	BRL	2.63		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Chromium	50.6	2.63		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Cobalt	9.59	2.63		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Copper	60.4	2.63		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Lead	145	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Nickel	16.7	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Selenium	BRL	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Vanadium	66.2	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
Zinc	196	5.25		mg/Kg-dry	240160	1	03/31/2017 23:26	JL
PERCENT MOISTURE D2216								
Percent Moisture	47.2	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-12-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 9:45:00 AM
Lab ID:	1703M79-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Acetone	0.39	0.22		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
2-Butanone	BRL	0.11		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Benzene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Trichloroethene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Toluene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Tetrachloroethene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Ethylbenzene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
m,p-Xylene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
o-Xylene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Styrene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240295	1	03/30/2017 18:42	MD
Surr: 4-Bromofluorobenzene	89.4	63-125		%REC	240295	1	03/30/2017 18:42	MD
Surr: Dibromofluoromethane	90.2	69.9-123		%REC	240295	1	03/30/2017 18:42	MD
Surr: Toluene-d8	92	70-122		%REC	240295	1	03/30/2017 18:42	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.144		mg/Kg-dry	240291	1	03/30/2017 20:14	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2,4,6-Trichlorophenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2,4-Dimethylphenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2-Chlorophenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2-Methylnaphthalene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
2-Methylphenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
3,4-Methylphenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
4-Chloro-3-methylphenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Acenaphthene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Acenaphthylene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Anthracene	0.68	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Benz(a)anthracene	0.71	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Benzo(a)pyrene	0.81	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Benzo(b)fluoranthene	2.1	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Benzo(k)fluoranthene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Carbazole	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Chrysene	0.87	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-12-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 9:45:00 AM
Lab ID:	1703M79-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Dibenzofuran	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Fluoranthene	1.4	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Fluorene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Naphthalene	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Pentachlorophenol	BRL	2.5		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Phenanthrene	0.82	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Phenol	BRL	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Pyrene	1.2	0.49		mg/Kg-dry	240120	1	03/29/2017 20:33	YH
Surr: 2,4,6-Tribromophenol	90.1	46.9-137		%REC	240120	1	03/29/2017 20:33	YH
Surr: 2-Fluorobiphenyl	73.9	50-115		%REC	240120	1	03/29/2017 20:33	YH
Surr: 2-Fluorophenol	76.9	41.2-105		%REC	240120	1	03/29/2017 20:33	YH
Surr: 4-Terphenyl-d14	84	51.9-126		%REC	240120	1	03/29/2017 20:33	YH
Surr: Nitrobenzene-d5	77	40.2-113		%REC	240120	1	03/29/2017 20:33	YH
Surr: Phenol-d5	81.1	45-109		%REC	240120	1	03/29/2017 20:33	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	14000	405		mg/Kg-dry	240160	10	04/03/2017 20:20	JL
Arsenic	7.06	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Barium	107	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Cadmium	BRL	2.03		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Chromium	50.5	2.03		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Cobalt	52.7	2.03		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Copper	31.6	2.03		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Lead	64.8	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Nickel	9.48	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Selenium	BRL	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Vanadium	37.7	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
Zinc	49.0	4.05		mg/Kg-dry	240160	1	03/31/2017 23:29	JL
PERCENT MOISTURE D2216								
Percent Moisture	32.5	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 10:40:00 AM
Lab ID:	1703M79-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Acetone	BRL	0.18		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
2-Butanone	BRL	0.092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
1,1,1-Trichloroethane	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Benzene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
1,2-Dichloroethane	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Trichloroethene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Toluene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Tetrachloroethene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Ethylbenzene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
m,p-Xylene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
o-Xylene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Styrene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
1,3,5-Trimethylbenzene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
1,2,4-Trimethylbenzene	BRL	0.0092		mg/Kg-dry	240295	1	03/30/2017 19:06	MD
Surr: 4-Bromofluorobenzene	83.7	63-125		%REC	240295	1	03/30/2017 19:06	MD
Surr: Dibromofluoromethane	91.6	69.9-123		%REC	240295	1	03/30/2017 19:06	MD
Surr: Toluene-d8	91.1	70-122		%REC	240295	1	03/30/2017 19:06	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.127		mg/Kg-dry	240291	1	03/30/2017 20:16	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2,4,6-Trichlorophenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2,4-Dimethylphenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2-Chlorophenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2-Methylnaphthalene	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
2-Methylphenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
3,4-Methylphenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
4-Chloro-3-methylphenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Acenaphthene	0.47	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Acenaphthylene	0.52	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Anthracene	1.6	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Benz(a)anthracene	2.2	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Benzo(a)pyrene	2.3	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Benzo(b)fluoranthene	3.1	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Benzo(k)fluoranthene	1.2	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Carbazole	0.74	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Chrysene	2.3	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 10:40:00 AM
Lab ID:	1703M79-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Dibenzofuran	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Fluoranthene	4.7	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Fluorene	0.48	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Indeno(1,2,3-cd)pyrene	1.6	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Naphthalene	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Pentachlorophenol	5.0	2.2		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Phenanthrene	3.4	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Phenol	BRL	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Pyrene	3.6	0.43		mg/Kg-dry	240120	1	03/30/2017 16:02	YH
Surr: 2,4,6-Tribromophenol	75.8	46.9-137		%REC	240120	1	03/30/2017 16:02	YH
Surr: 2-Fluorobiphenyl	64.2	50-115		%REC	240120	1	03/30/2017 16:02	YH
Surr: 2-Fluorophenol	66.9	41.2-105		%REC	240120	1	03/30/2017 16:02	YH
Surr: 4-Terphenyl-d14	75.8	51.9-126		%REC	240120	1	03/30/2017 16:02	YH
Surr: Nitrobenzene-d5	66.2	40.2-113		%REC	240120	1	03/30/2017 16:02	YH
Surr: Phenol-d5	71.6	45-109		%REC	240120	1	03/30/2017 16:02	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	12400	404		mg/Kg-dry	240312	10	04/03/2017 20:23	JL
Arsenic	8.60	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Barium	74.2	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Cadmium	BRL	2.02		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Chromium	31.8	2.02		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Cobalt	7.07	2.02		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Copper	38.8	2.02		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Lead	78.9	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Nickel	9.67	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Selenium	BRL	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Vanadium	40.0	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
Zinc	110	4.04		mg/Kg-dry	240312	1	04/01/2017 00:18	JL
PERCENT MOISTURE D2216								
Percent Moisture	22.4	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13-2'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 10:45:00 AM
Lab ID:	1703M79-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Acetone	BRL	0.16		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
2-Butanone	BRL	0.081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
1,1,1-Trichloroethane	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Benzene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
1,2-Dichloroethane	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Trichloroethene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Toluene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Tetrachloroethene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Ethylbenzene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
m,p-Xylene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
o-Xylene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Styrene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
1,3,5-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
1,2,4-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	240295	1	03/30/2017 19:29	MD
Surr: 4-Bromofluorobenzene	87.7	63-125		%REC	240295	1	03/30/2017 19:29	MD
Surr: Dibromofluoromethane	90.8	69.9-123		%REC	240295	1	03/30/2017 19:29	MD
Surr: Toluene-d8	97.4	70-122		%REC	240295	1	03/30/2017 19:29	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.110		mg/Kg-dry	240291	1	03/30/2017 20:18	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2,4,6-Trichlorophenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2,4-Dimethylphenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2-Chlorophenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2-Methylnaphthalene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
2-Methylphenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
3,4-Methylphenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
4-Chloro-3-methylphenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Acenaphthene	1.0	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Acenaphthylene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Anthracene	0.60	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Benz(a)anthracene	1.1	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Benzo(a)pyrene	0.44	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Benzo(b)fluoranthene	1.0	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Benzo(k)fluoranthene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Carbazole	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Chrysene	1.2	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13-2'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 10:45:00 AM
Lab ID:	1703M79-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Dibenzofuran	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Fluoranthene	4.8	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Fluorene	0.51	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Indeno(1,2,3-cd)pyrene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Naphthalene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Phenanthrene	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Phenol	BRL	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Pyrene	3.3	0.43		mg/Kg-dry	240177	1	03/30/2017 11:38	YH
Surr: 2,4,6-Tribromophenol	44.7	46.9-137	S	%REC	240177	1	03/30/2017 11:38	YH
Surr: 2-Fluorobiphenyl	38.5	50-115	S	%REC	240177	1	03/30/2017 11:38	YH
Surr: 2-Fluorophenol	38.5	41.2-105	S	%REC	240177	1	03/30/2017 11:38	YH
Surr: 4-Terphenyl-d14	44.6	51.9-126	S	%REC	240177	1	03/30/2017 11:38	YH
Surr: Nitrobenzene-d5	40.5	40.2-113		%REC	240177	1	03/30/2017 11:38	YH
Surr: Phenol-d5	41.3	45-109	S	%REC	240177	1	03/30/2017 11:38	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	5240	495		mg/Kg-dry	240312	10	04/03/2017 20:26	JL
Arsenic	BRL	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Barium	52.1	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Cadmium	BRL	2.48		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Chromium	31.9	2.48		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Cobalt	5.50	2.48		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Copper	16.2	2.48		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Lead	35.2	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Nickel	BRL	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Selenium	BRL	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Vanadium	21.9	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
Zinc	60.5	4.95		mg/Kg-dry	240312	1	04/01/2017 00:21	JL
PERCENT MOISTURE D2216								
Percent Moisture	23.8	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 11:30:00 AM
Lab ID:	1703M79-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Acetone	BRL	0.27		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
2-Butanone	BRL	0.13		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
1,1,1-Trichloroethane	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Benzene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
1,2-Dichloroethane	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Trichloroethene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Toluene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Tetrachloroethene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Ethylbenzene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
m,p-Xylene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
o-Xylene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Styrene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
1,3,5-Trimethylbenzene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
1,2,4-Trimethylbenzene	BRL	0.013		mg/Kg-dry	240295	1	03/30/2017 19:53	MD
Surr: 4-Bromofluorobenzene	77.2	63-125		%REC	240295	1	03/30/2017 19:53	MD
Surr: Dibromofluoromethane	89.8	69.9-123		%REC	240295	1	03/30/2017 19:53	MD
Surr: Toluene-d8	92.9	70-122		%REC	240295	1	03/30/2017 19:53	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.186	0.173		mg/Kg-dry	240291	1	03/30/2017 20:25	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	0.77	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2,4,6-Trichlorophenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2,4-Dimethylphenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2,4-Dinitrophenol	BRL	3.2		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2-Chlorophenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2-Methylnaphthalene	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
2-Methylphenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
3,4-Methylphenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
4-Chloro-3-methylphenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Acenaphthene	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Acenaphthylene	2.8	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Anthracene	4.7	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Benz(a)anthracene	3.2	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Benzo(a)pyrene	3.3	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Benzo(b)fluoranthene	5.3	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Benzo(k)fluoranthene	1.3	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Carbazole	1.9	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Chrysene	3.3	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 11:30:00 AM
Lab ID:	1703M79-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	0.87	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Dibenzofuran	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Fluoranthene	6.7	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Fluorene	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Indeno(1,2,3-cd)pyrene	3.8	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Naphthalene	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Pentachlorophenol	BRL	32		mg/Kg-dry	240177	10	03/30/2017 17:47	YH
Phenanthrene	2.1	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Phenol	BRL	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Pyrene	5.2	0.62		mg/Kg-dry	240177	1	03/30/2017 12:04	YH
Surr: 2,4,6-Tribromophenol	82.4	46.9-137		%REC	240177	1	03/30/2017 12:04	YH
Surr: 2-Fluorobiphenyl	71.4	50-115		%REC	240177	1	03/30/2017 12:04	YH
Surr: 2-Fluorophenol	77.6	41.2-105		%REC	240177	1	03/30/2017 12:04	YH
Surr: 4-Terphenyl-d14	79.9	51.9-126		%REC	240177	1	03/30/2017 12:04	YH
Surr: Nitrobenzene-d5	81.7	40.2-113		%REC	240177	1	03/30/2017 12:04	YH
Surr: Phenol-d5	79.5	45-109		%REC	240177	1	03/30/2017 12:04	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	21600	613		mg/Kg-dry	240312	10	04/03/2017 20:29	JL
Arsenic	17.3	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Barium	158	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Cadmium	BRL	3.06		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Chromium	56.6	3.06		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Cobalt	13.6	3.06		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Copper	73.2	3.06		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Lead	156	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Nickel	16.9	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Selenium	BRL	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Vanadium	96.1	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
Zinc	170	6.13		mg/Kg-dry	240312	1	04/01/2017 00:25	JL
PERCENT MOISTURE D2216								
Percent Moisture	46.9	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14-2.5'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 11:40:00 AM
Lab ID:	1703M79-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Acetone	BRL	0.22		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
2-Butanone	BRL	0.11		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Benzene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Trichloroethene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Toluene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Tetrachloroethene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Ethylbenzene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
m,p-Xylene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
o-Xylene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Styrene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	240163	1	03/30/2017 20:17	MD
Surr: 4-Bromofluorobenzene	86.6	63-125		%REC	240163	1	03/30/2017 20:17	MD
Surr: Dibromofluoromethane	91.4	69.9-123		%REC	240163	1	03/30/2017 20:17	MD
Surr: Toluene-d8	93.8	70-122		%REC	240163	1	03/30/2017 20:17	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.153	0.133		mg/Kg-dry	240291	1	03/30/2017 20:27	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2,4,6-Trichlorophenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2,4-Dimethylphenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2-Chlorophenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2-Methylnaphthalene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
2-Methylphenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
3,4-Methylphenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
4-Chloro-3-methylphenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Acenaphthene	2.1	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Acenaphthylene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Anthracene	0.78	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Benz(a)anthracene	0.61	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Benzo(a)pyrene	0.97	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Benzo(b)fluoranthene	2.9	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Benzo(k)fluoranthene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Carbazole	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Chrysene	1.2	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14-2.5'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 11:40:00 AM
Lab ID:	1703M79-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Dibenzofuran	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Fluoranthene	1.3	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Fluorene	1.1	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Indeno(1,2,3-cd)pyrene	1.1	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Naphthalene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Pentachlorophenol	BRL	2.5		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Phenanthrene	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Phenol	BRL	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Pyrene	1.2	0.49		mg/Kg-dry	240177	1	03/30/2017 12:31	YH
Surr: 2,4,6-Tribromophenol	93.6	46.9-137		%REC	240177	1	03/30/2017 12:31	YH
Surr: 2-Fluorobiphenyl	81.2	50-115		%REC	240177	1	03/30/2017 12:31	YH
Surr: 2-Fluorophenol	84.9	41.2-105		%REC	240177	1	03/30/2017 12:31	YH
Surr: 4-Terphenyl-d14	89.9	51.9-126		%REC	240177	1	03/30/2017 12:31	YH
Surr: Nitrobenzene-d5	87.6	40.2-113		%REC	240177	1	03/30/2017 12:31	YH
Surr: Phenol-d5	90.1	45-109		%REC	240177	1	03/30/2017 12:31	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	18700	507		mg/Kg-dry	240312	10	04/03/2017 20:36	JL
Arsenic	11.8	5.07		mg/Kg-dry	240312	1	04/03/2017 20:33	JL
Barium	87.6	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Cadmium	BRL	2.54		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Chromium	97.8	2.54		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Cobalt	10.1	2.54		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Copper	45.1	2.54		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Lead	131	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Nickel	13.3	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Selenium	BRL	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Vanadium	80.2	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
Zinc	156	5.07		mg/Kg-dry	240312	1	04/01/2017 00:28	JL
PERCENT MOISTURE D2216								
Percent Moisture	32.9	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 12:40:00 PM
Lab ID:	1703M79-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Acetone	0.58	0.26		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
2-Butanone	BRL	0.13		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
1,1,1-Trichloroethane	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Benzene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
1,2-Dichloroethane	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Trichloroethene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Toluene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Tetrachloroethene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Ethylbenzene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
m,p-Xylene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
o-Xylene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Styrene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
1,3,5-Trimethylbenzene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
1,2,4-Trimethylbenzene	BRL	0.013		mg/Kg-dry	240163	1	03/30/2017 20:41	MD
Surr: 4-Bromofluorobenzene	79.6	63-125		%REC	240163	1	03/30/2017 20:41	MD
Surr: Dibromofluoromethane	91.8	69.9-123		%REC	240163	1	03/30/2017 20:41	MD
Surr: Toluene-d8	91.1	70-122		%REC	240163	1	03/30/2017 20:41	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.148		mg/Kg-dry	240291	1	03/30/2017 20:29	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2,4,6-Trichlorophenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2,4-Dimethylphenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2,4-Dinitrophenol	BRL	3.0		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2-Chlorophenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2-Methylnaphthalene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
2-Methylphenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
3,4-Methylphenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
4-Chloro-3-methylphenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Acenaphthene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Acenaphthylene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Anthracene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Benz(a)anthracene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Benzo(a)pyrene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Benzo(b)fluoranthene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Benzo(k)fluoranthene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Carbazole	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Chrysene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 12:40:00 PM
Lab ID:	1703M79-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Dibenzofuran	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Fluoranthene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Fluorene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Indeno(1,2,3-cd)pyrene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Naphthalene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Pentachlorophenol	BRL	3.0		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Phenanthrene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Phenol	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Pyrene	BRL	0.57		mg/Kg-dry	240177	1	03/30/2017 12:56	YH
Surr: 2,4,6-Tribromophenol	90.9	46.9-137		%REC	240177	1	03/30/2017 12:56	YH
Surr: 2-Fluorobiphenyl	78	50-115		%REC	240177	1	03/30/2017 12:56	YH
Surr: 2-Fluorophenol	82	41.2-105		%REC	240177	1	03/30/2017 12:56	YH
Surr: 4-Terphenyl-d14	85.6	51.9-126		%REC	240177	1	03/30/2017 12:56	YH
Surr: Nitrobenzene-d5	86.2	40.2-113		%REC	240177	1	03/30/2017 12:56	YH
Surr: Phenol-d5	85.7	45-109		%REC	240177	1	03/30/2017 12:56	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	24000	657		mg/Kg-dry	240312	10	04/03/2017 20:39	JL
Arsenic	9.83	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Barium	98.8	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Cadmium	BRL	3.29		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Chromium	34.3	3.29		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Cobalt	7.18	3.29		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Copper	33.9	3.29		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Lead	71.4	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Nickel	10.5	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Selenium	BRL	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Vanadium	63.9	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
Zinc	89.8	6.57		mg/Kg-dry	240312	1	04/01/2017 00:38	JL
PERCENT MOISTURE D2216								
Percent Moisture	42.5	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15-4'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 12:50:00 PM
Lab ID:	1703M79-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Acetone	BRL	0.15		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
2-Butanone	BRL	0.077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
1,1,1-Trichloroethane	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Benzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
1,2-Dichloroethane	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Trichloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Toluene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Tetrachloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Ethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
m,p-Xylene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
o-Xylene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Styrene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
1,3,5-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
1,2,4-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 21:53	MD
Surr: 4-Bromofluorobenzene	94.4	63-125		%REC	240163	1	03/30/2017 21:53	MD
Surr: Dibromofluoromethane	93.6	69.9-123		%REC	240163	1	03/30/2017 21:53	MD
Surr: Toluene-d8	91.7	70-122		%REC	240163	1	03/30/2017 21:53	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.112		mg/Kg-dry	240291	1	03/30/2017 20:32	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Carbazole	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Chrysene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15-4'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 12:50:00 PM
Lab ID:	1703M79-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Fluorene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Naphthalene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Phenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 13:23	YH
Surr: 2,4,6-Tribromophenol	83	46.9-137		%REC	240177	1	03/30/2017 13:23	YH
Surr: 2-Fluorobiphenyl	69.2	50-115		%REC	240177	1	03/30/2017 13:23	YH
Surr: 2-Fluorophenol	75.5	41.2-105		%REC	240177	1	03/30/2017 13:23	YH
Surr: 4-Terphenyl-d14	82.3	51.9-126		%REC	240177	1	03/30/2017 13:23	YH
Surr: Nitrobenzene-d5	77	40.2-113		%REC	240177	1	03/30/2017 13:23	YH
Surr: Phenol-d5	78.1	45-109		%REC	240177	1	03/30/2017 13:23	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	23900	472		mg/Kg-dry	240312	10	04/03/2017 20:43	JL
Arsenic	BRL	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Barium	56.0	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Cadmium	BRL	2.36		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Chromium	42.3	2.36		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Cobalt	BRL	2.36		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Copper	20.3	2.36		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Lead	14.1	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Nickel	9.00	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Selenium	BRL	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Vanadium	65.6	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
Zinc	45.2	4.72		mg/Kg-dry	240312	1	04/01/2017 00:41	JL
PERCENT MOISTURE D2216								
Percent Moisture	19.9	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 1:30:00 PM
Lab ID:	1703M79-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Acetone	BRL	0.15		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
2-Butanone	BRL	0.077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
1,1,1-Trichloroethane	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Benzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
1,2-Dichloroethane	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Trichloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Toluene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Tetrachloroethene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Ethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
m,p-Xylene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
o-Xylene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Styrene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
1,3,5-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
1,2,4-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	240163	1	03/30/2017 22:17	MD
Surr: 4-Bromofluorobenzene	86	63-125		%REC	240163	1	03/30/2017 22:17	MD
Surr: Dibromofluoromethane	96.5	69.9-123		%REC	240163	1	03/30/2017 22:17	MD
Surr: Toluene-d8	93.6	70-122		%REC	240163	1	03/30/2017 22:17	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.115		mg/Kg-dry	240291	1	03/30/2017 20:34	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Anthracene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Benzo(b)fluoranthene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Carbazole	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Chrysene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16-(0-1')
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 1:30:00 PM
Lab ID:	1703M79-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Fluoranthene	0.56	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Fluorene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Naphthalene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Phenol	BRL	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Pyrene	0.43	0.42		mg/Kg-dry	240177	1	03/30/2017 13:49	YH
Surr: 2,4,6-Tribromophenol	82.7	46.9-137		%REC	240177	1	03/30/2017 13:49	YH
Surr: 2-Fluorobiphenyl	72.6	50-115		%REC	240177	1	03/30/2017 13:49	YH
Surr: 2-Fluorophenol	76.7	41.2-105		%REC	240177	1	03/30/2017 13:49	YH
Surr: 4-Terphenyl-d14	79.9	51.9-126		%REC	240177	1	03/30/2017 13:49	YH
Surr: Nitrobenzene-d5	78.7	40.2-113		%REC	240177	1	03/30/2017 13:49	YH
Surr: Phenol-d5	80.4	45-109		%REC	240177	1	03/30/2017 13:49	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	19600	572		mg/Kg-dry	240312	10	04/03/2017 20:46	JL
Arsenic	7.34	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Barium	93.3	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Cadmium	BRL	2.86		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Chromium	21.6	2.86		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Cobalt	6.16	2.86		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Copper	21.2	2.86		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Lead	82.4	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Nickel	8.46	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Selenium	BRL	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Vanadium	44.9	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
Zinc	90.6	5.72		mg/Kg-dry	240312	1	04/01/2017 00:44	JL
PERCENT MOISTURE D2216								
Percent Moisture	20.6	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16-3.5'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 1:40:00 PM
Lab ID:	1703M79-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Acetone	BRL	0.13		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
2-Butanone	BRL	0.063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
1,1,1-Trichloroethane	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Benzene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
1,2-Dichloroethane	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Trichloroethene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Toluene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Tetrachloroethene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Ethylbenzene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
m,p-Xylene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
o-Xylene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Styrene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
1,3,5-Trimethylbenzene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
1,2,4-Trimethylbenzene	BRL	0.0063		mg/Kg-dry	240163	1	03/30/2017 22:41	MD
Surr: 4-Bromofluorobenzene	83.7	63-125		%REC	240163	1	03/30/2017 22:41	MD
Surr: Dibromofluoromethane	90.8	69.9-123		%REC	240163	1	03/30/2017 22:41	MD
Surr: Toluene-d8	95.9	70-122		%REC	240163	1	03/30/2017 22:41	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.119		mg/Kg-dry	240291	1	03/30/2017 20:36	TA
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Carbazole	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Chrysene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16-3.5'
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 1:40:00 PM
Lab ID:	1703M79-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Fluorene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Naphthalene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Phenol	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Pyrene	BRL	0.41		mg/Kg-dry	240177	1	03/30/2017 14:16	YH
Surr: 2,4,6-Tribromophenol	79.3	46.9-137		%REC	240177	1	03/30/2017 14:16	YH
Surr: 2-Fluorobiphenyl	67.1	50-115		%REC	240177	1	03/30/2017 14:16	YH
Surr: 2-Fluorophenol	75.1	41.2-105		%REC	240177	1	03/30/2017 14:16	YH
Surr: 4-Terphenyl-d14	77.3	51.9-126		%REC	240177	1	03/30/2017 14:16	YH
Surr: Nitrobenzene-d5	72.3	40.2-113		%REC	240177	1	03/30/2017 14:16	YH
Surr: Phenol-d5	77.2	45-109		%REC	240177	1	03/30/2017 14:16	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Aluminum	20900	420		mg/Kg-dry	240312	10	04/04/2017 16:59	JL
Arsenic	5.14	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Barium	67.1	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Cadmium	BRL	2.10		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Chromium	36.2	2.10		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Cobalt	3.01	2.10		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Copper	18.9	2.10		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Lead	10.4	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Nickel	7.51	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Selenium	BRL	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Vanadium	60.5	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
Zinc	27.6	4.20		mg/Kg-dry	240312	1	04/01/2017 00:48	JL
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R339673	1	03/30/2017 10:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	EB-1
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 3:30:00 PM
Lab ID:	1703M79-026	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Acetone	BRL	50		ug/L	240385	1	03/30/2017 10:17	NH
2-Butanone	BRL	50		ug/L	240385	1	03/30/2017 10:17	NH
1,1,1-Trichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Benzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
1,2-Dichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Trichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Toluene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Tetrachloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Ethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
m,p-Xylene	BRL	2.0		ug/L	240385	1	03/30/2017 10:17	NH
o-Xylene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Styrene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:17	NH
Surr: 4-Bromofluorobenzene	79	66.1-129		%REC	240385	1	03/30/2017 10:17	NH
Surr: Dibromofluoromethane	102	83.6-123		%REC	240385	1	03/30/2017 10:17	NH
Surr: Toluene-d8	96.8	81.8-118		%REC	240385	1	03/30/2017 10:17	NH
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
2,4-Dimethylphenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
2,4-Dinitrophenol	BRL	25		ug/L	240121	1	03/28/2017 22:10	YH
2-Chlorophenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
2-Methylnaphthalene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
2-Methylphenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
3,4-Methylphenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Acenaphthene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Acenaphthylene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Anthracene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Benz(a)anthracene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Benzo(a)pyrene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Carbazole	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Chrysene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Dibenzofuran	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Fluoranthene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	EB-1
Project Name:	WC Meredith	**Collection Date:**	3/24/2017 3:30:00 PM
Lab ID:	1703M79-026	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Naphthalene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Pentachlorophenol	BRL	25		ug/L	240121	1	03/28/2017 22:10	YH
Phenanthrene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Phenol	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Pyrene	BRL	10		ug/L	240121	1	03/28/2017 22:10	YH
Surr: 2,4,6-Tribromophenol	90	50-142		%REC	240121	1	03/28/2017 22:10	YH
Surr: 2-Fluorobiphenyl	73.7	46-124		%REC	240121	1	03/28/2017 22:10	YH
Surr: 2-Fluorophenol	37.7	25.3-120		%REC	240121	1	03/28/2017 22:10	YH
Surr: 4-Terphenyl-d14	90.6	45.1-133		%REC	240121	1	03/28/2017 22:10	YH
Surr: Nitrobenzene-d5	76.2	40.1-121		%REC	240121	1	03/28/2017 22:10	YH
Surr: Phenol-d5	20.9	16.3-120		%REC	240121	1	03/28/2017 22:10	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240377	1	03/31/2017 17:13	TA
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240047	1	03/30/2017 15:11	JL
Arsenic	BRL	0.0500		mg/L	240047	1	03/30/2017 15:11	JL
Barium	BRL	0.0200		mg/L	240047	1	03/30/2017 15:11	JL
Cadmium	BRL	0.0050		mg/L	240047	1	03/30/2017 15:11	JL
Chromium	BRL	0.0100		mg/L	240047	1	03/30/2017 15:11	JL
Cobalt	BRL	0.0200		mg/L	240047	1	03/30/2017 15:11	JL
Copper	BRL	0.0100		mg/L	240047	1	03/30/2017 15:11	JL
Lead	BRL	0.0100		mg/L	240047	1	03/30/2017 15:11	JL
Nickel	BRL	0.0200		mg/L	240047	1	03/30/2017 15:11	JL
Selenium	BRL	0.0200		mg/L	240047	1	03/30/2017 15:11	JL
Vanadium	BRL	0.0100		mg/L	240047	1	03/30/2017 15:11	JL
Zinc	BRL	0.0200		mg/L	240047	1	03/30/2017 15:11	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK #1
Project Name:	WC Meredith	**Collection Date:**	3/24/2017
Lab ID:	1703M79-027	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Acetone	BRL	50		ug/L	240385	1	03/30/2017 10:43	NH
2-Butanone	BRL	50		ug/L	240385	1	03/30/2017 10:43	NH
1,1,1-Trichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Benzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
1,2-Dichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Trichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Toluene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Tetrachloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Ethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
m,p-Xylene	BRL	2.0		ug/L	240385	1	03/30/2017 10:43	NH
o-Xylene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Styrene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 10:43	NH
Surr: 4-Bromofluorobenzene	79.8	66.1-129		%REC	240385	1	03/30/2017 10:43	NH
Surr: Dibromofluoromethane	106	83.6-123		%REC	240385	1	03/30/2017 10:43	NH
Surr: Toluene-d8	98.2	81.8-118		%REC	240385	1	03/30/2017 10:43	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK #2
Project Name:	WC Meredith	**Collection Date:**	3/24/2017
Lab ID:	1703M79-028	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Acetone	BRL	50		ug/L	240385	1	03/30/2017 11:08	NH
2-Butanone	BRL	50		ug/L	240385	1	03/30/2017 11:08	NH
1,1,1-Trichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Benzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
1,2-Dichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Trichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Toluene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Tetrachloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Ethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
m,p-Xylene	BRL	2.0		ug/L	240385	1	03/30/2017 11:08	NH
o-Xylene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Styrene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:08	NH
Surr: 4-Bromofluorobenzene	79	66.1-129		%REC	240385	1	03/30/2017 11:08	NH
Surr: Dibromofluoromethane	106	83.6-123		%REC	240385	1	03/30/2017 11:08	NH
Surr: Toluene-d8	101	81.8-118		%REC	240385	1	03/30/2017 11:08	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 10-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK #3
Project Name:	WC Meredith	**Collection Date:**	3/24/2017
Lab ID:	1703M79-029	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Acetone	BRL	50		ug/L	240385	1	03/30/2017 11:34	NH
2-Butanone	BRL	50		ug/L	240385	1	03/30/2017 11:34	NH
1,1,1-Trichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Benzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
1,2-Dichloroethane	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Trichloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Toluene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Tetrachloroethene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Ethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
m,p-Xylene	BRL	2.0		ug/L	240385	1	03/30/2017 11:34	NH
o-Xylene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Styrene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240385	1	03/30/2017 11:34	NH
Surr: 4-Bromofluorobenzene	78.6	66.1-129		%REC	240385	1	03/30/2017 11:34	NH
Surr: Dibromofluoromethane	106	83.6-123		%REC	240385	1	03/30/2017 11:34	NH
Surr: Toluene-d8	98.1	81.8-118		%REC	240385	1	03/30/2017 11:34	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-1-(0-1')				**Lab ID:** 1703M79-001			
Collection Date: 3/22/2017 11:30:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthylene	0.66		0.047	0.51	mg/Kg-dry	240120	1
Anthracene	1.6		0.052	0.51	mg/Kg-dry	240120	1
Benz(a)anthracene	1.6		0.24	0.51	mg/Kg-dry	240120	1
Benzo(a)pyrene	1.1		0.28	0.51	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	2.2		0.25	0.51	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	0.84		0.29	0.51	mg/Kg-dry	240120	1
Carbazole	0.55		0.057	0.51	mg/Kg-dry	240120	1
Chrysene	1.8		0.28	0.51	mg/Kg-dry	240120	1
Fluoranthene	2.5		0.060	0.51	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	0.99		0.27	0.51	mg/Kg-dry	240120	1
Pentachlorophenol	10.0		0.62	5.1	mg/Kg-dry	240120	10
Phenanthrene	0.51		0.048	0.51	mg/Kg-dry	240120	1
Pyrene	2.3		0.25	0.51	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	14700		2.77	412	mg/Kg-dry	240160	10
Arsenic	9.20		0.362	4.12	mg/Kg-dry	240160	1
Barium	94.7		0.0652	4.12	mg/Kg-dry	240160	1
Chromium	35.2		0.0264	2.06	mg/Kg-dry	240160	1
Cobalt	7.50		0.0339	2.06	mg/Kg-dry	240160	1
Copper	55.3		0.0256	2.06	mg/Kg-dry	240160	1
Lead	73.0		0.0557	4.12	mg/Kg-dry	240160	1
Nickel	11.8		0.0867	4.12	mg/Kg-dry	240160	1
Vanadium	43.0		0.0192	4.12	mg/Kg-dry	240160	1
Zinc	117		0.147	4.12	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	35.8		0	0	wt%	R339673	1
Client Sample ID: TMW-1-2'				**Lab ID:** 1703M79-002			
Collection Date: 3/22/2017 11:45:00 AM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.644		0.0162	0.109	mg/Kg-dry	240189	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2,3,4,6-Tetrachlorophenol	0.83		0.038	0.40	mg/Kg-dry	240120	1
Acenaphthene	0.61		0.041	0.40	mg/Kg-dry	240120	1
Acenaphthylene	0.74		0.036	0.40	mg/Kg-dry	240120	1
Anthracene	4.9		0.040	0.40	mg/Kg-dry	240120	1
Benz(a)anthracene	4.0		0.18	0.40	mg/Kg-dry	240120	1
Benzo(a)pyrene	2.7		0.21	0.40	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	5.8		0.19	0.40	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	1.3		0.22	0.40	mg/Kg-dry	240120	1
Carbazole	0.75		0.044	0.40	mg/Kg-dry	240120	1
Chrysene	4.5		0.22	0.40	mg/Kg-dry	240120	1
Dibenz(a,h)anthracene	0.42		0.21	0.40	mg/Kg-dry	240120	1
Fluoranthene	14		0.46	4.0	mg/Kg-dry	240120	10
Fluorene	0.62		0.035	0.40	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	1.3		0.21	0.40	mg/Kg-dry	240120	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-1-2'				**Lab ID:** 1703M79-002			
Collection Date: 3/22/2017 11:45:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Pentachlorophenol	9.4		0.48	4.0	mg/Kg-dry	240120	10
Phenanthrene	1.9		0.037	0.40	mg/Kg-dry	240120	1
Pyrene	9.0		1.9	4.0	mg/Kg-dry	240120	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	14900		2.81	417	mg/Kg-dry	240160	10
Arsenic	10.9		0.367	4.17	mg/Kg-dry	240160	1
Barium	79.4		0.0661	4.17	mg/Kg-dry	240160	1
Chromium	38.3		0.0268	2.09	mg/Kg-dry	240160	1
Cobalt	6.31		0.0344	2.09	mg/Kg-dry	240160	1
Copper	37.6		0.0259	2.09	mg/Kg-dry	240160	1
Lead	84.8		0.0564	4.17	mg/Kg-dry	240160	1
Nickel	10.0		0.0878	4.17	mg/Kg-dry	240160	1
Vanadium	39.0		0.0194	4.17	mg/Kg-dry	240160	1
Zinc	175		0.149	4.17	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	16.5		0	0	wt%	R339673	1
Client Sample ID: TMW-2-(0-1')				**Lab ID:** 1703M79-003			
Collection Date: 3/22/2017 12:30:00 PM				**Matrix:** Soil			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.27		0.010	0.20	mg/Kg-dry	240197	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(a)pyrene	0.42		0.23	0.42	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	0.93		0.20	0.42	mg/Kg-dry	240120	1
Chrysene	0.58		0.23	0.42	mg/Kg-dry	240120	1
Fluoranthene	0.88		0.049	0.42	mg/Kg-dry	240120	1
Pyrene	0.79		0.21	0.42	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	23300		3.28	488	mg/Kg-dry	240160	10
Arsenic	9.19		0.429	4.88	mg/Kg-dry	240160	1
Barium	92.0		0.0772	4.88	mg/Kg-dry	240160	1
Chromium	107		0.0313	2.44	mg/Kg-dry	240160	1
Cobalt	15.0		0.0402	2.44	mg/Kg-dry	240160	1
Copper	36.1		0.0303	2.44	mg/Kg-dry	240160	1
Lead	71.3		0.0659	4.88	mg/Kg-dry	240160	1
Nickel	16.1		0.103	4.88	mg/Kg-dry	240160	1
Vanadium	62.4		0.0227	4.88	mg/Kg-dry	240160	1
Zinc	86.2		0.174	4.88	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	21.8		0	0	wt%	R339673	1
Client Sample ID: TMW-2-4.5'				**Lab ID:** 1703M79-004			
Collection Date: 3/22/2017 12:45:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	23100		3.44	511	mg/Kg-dry	240160	10
Arsenic	9.55		0.449	5.11	mg/Kg-dry	240160	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-2-4.5'				**Lab ID:** 1703M79-004			
Collection Date: 3/22/2017 12:45:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	76.9		0.0810	5.11	mg/Kg-dry	240160	1
Chromium	32.8		0.0328	2.56	mg/Kg-dry	240160	1
Cobalt	7.17		0.0421	2.56	mg/Kg-dry	240160	1
Copper	48.3		0.0318	2.56	mg/Kg-dry	240160	1
Lead	13.4		0.0691	5.11	mg/Kg-dry	240160	1
Nickel	16.4		0.108	5.11	mg/Kg-dry	240160	1
Vanadium	78.5		0.0238	5.11	mg/Kg-dry	240160	1
Zinc	69.9		0.182	5.11	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	19.5		0	0	wt%	R339673	1
Client Sample ID: TMW-3-(0-1')				**Lab ID:** 1703M79-005			
Collection Date: 3/22/2017 1:30:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benz(a)anthracene	0.78		0.32	0.68	mg/Kg-dry	240120	1
Benzo(a)pyrene	0.76		0.37	0.68	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	1.6		0.33	0.68	mg/Kg-dry	240120	1
Chrysene	1.1		0.38	0.68	mg/Kg-dry	240120	1
Fluoranthene	1.6		0.079	0.68	mg/Kg-dry	240120	1
Pentachlorophenol	4.3		0.082	3.5	mg/Kg-dry	240120	1
Pyrene	1.4		0.33	0.68	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	27400		4.19	623	mg/Kg-dry	240160	10
Arsenic	13.8		0.547	6.23	mg/Kg-dry	240160	1
Barium	164		0.0986	6.23	mg/Kg-dry	240160	1
Chromium	61.9		0.0400	3.11	mg/Kg-dry	240160	1
Cobalt	31.5		0.0513	3.11	mg/Kg-dry	240160	1
Copper	62.5		0.0387	3.11	mg/Kg-dry	240160	1
Lead	80.4		0.0842	6.23	mg/Kg-dry	240160	1
Nickel	24.2		0.131	6.23	mg/Kg-dry	240160	1
Vanadium	81.9		0.0290	6.23	mg/Kg-dry	240160	1
Zinc	164		0.222	6.23	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	51.6		0	0	wt%	R339673	1
Client Sample ID: TMW-4-(0-1')				**Lab ID:** 1703M79-006			
Collection Date: 3/22/2017 2:30:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Anthracene	0.40		0.040	0.39	mg/Kg-dry	240120	1
Benz(a)anthracene	0.52		0.18	0.39	mg/Kg-dry	240120	1
Benzo(a)pyrene	0.42		0.21	0.39	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	0.83		0.19	0.39	mg/Kg-dry	240120	1
Chrysene	0.62		0.22	0.39	mg/Kg-dry	240120	1
Fluoranthene	1.1		0.046	0.39	mg/Kg-dry	240120	1
Pentachlorophenol	2.2		0.047	2.0	mg/Kg-dry	240120	1
Phenanthrene	0.42		0.037	0.39	mg/Kg-dry	240120	1
Pyrene	0.89		0.19	0.39	mg/Kg-dry	240120	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-4-(0-1')				**Lab ID:** 1703M79-006			
Collection Date: 3/22/2017 2:30:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	11600		3.32	493	mg/Kg-dry	240160	10
Barium	132		0.0782	4.93	mg/Kg-dry	240160	1
Chromium	67.0		0.0317	2.47	mg/Kg-dry	240160	1
Cobalt	11.5		0.0407	2.47	mg/Kg-dry	240160	1
Copper	17.2		0.0307	2.47	mg/Kg-dry	240160	1
Lead	30.5		0.0667	4.93	mg/Kg-dry	240160	1
Nickel	34.4		0.104	4.93	mg/Kg-dry	240160	1
Vanadium	40.4		0.0230	4.93	mg/Kg-dry	240160	1
Zinc	68.5		0.176	4.93	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	16.3		0	0	wt%	R339673	1
Client Sample ID: TMW-5-(0-1')				**Lab ID:** 1703M79-007			
Collection Date: 3/22/2017 3:05:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Anthracene	1.1		0.048	0.48	mg/Kg-dry	240120	1
Benz(a)anthracene	1.1		0.22	0.48	mg/Kg-dry	240120	1
Benzo(a)pyrene	0.92		0.26	0.48	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	2.0		0.23	0.48	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	0.58		0.27	0.48	mg/Kg-dry	240120	1
Chrysene	1.2		0.26	0.48	mg/Kg-dry	240120	1
Fluoranthene	2.3		0.056	0.48	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	0.48		0.25	0.48	mg/Kg-dry	240120	1
Pentachlorophenol	6.2		0.058	2.5	mg/Kg-dry	240120	1
Phenanthrene	0.93		0.045	0.48	mg/Kg-dry	240120	1
Pyrene	1.8		0.23	0.48	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	11800		2.81	417	mg/Kg-dry	240160	10
Arsenic	5.82		0.367	4.17	mg/Kg-dry	240160	1
Barium	82.9		0.0661	4.17	mg/Kg-dry	240160	1
Chromium	32.7		0.0268	2.09	mg/Kg-dry	240160	1
Cobalt	5.73		0.0344	2.09	mg/Kg-dry	240160	1
Copper	27.6		0.0259	2.09	mg/Kg-dry	240160	1
Lead	34.7		0.0564	4.17	mg/Kg-dry	240160	1
Nickel	9.95		0.0879	4.17	mg/Kg-dry	240160	1
Vanadium	37.1		0.0194	4.17	mg/Kg-dry	240160	1
Zinc	75.6		0.149	4.17	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	31.2		0	0	wt%	R339673	1
Client Sample ID: TMW-6-(0-1')				**Lab ID:** 1703M79-008			
Collection Date: 3/22/2017 3:45:00 PM				**Matrix:** Soil			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.23		0.0090	0.18	mg/Kg-dry	240197	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthylene	0.87		0.042	0.45	mg/Kg-dry	240120	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-6-(0-1')				**Lab ID:** 1703M79-008			
Collection Date: 3/22/2017 3:45:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Anthracene	1.6		0.046	0.45	mg/Kg-dry	240120	1
Benz(a)anthracene	2.0		0.21	0.45	mg/Kg-dry	240120	1
Benzo(a)pyrene	2.2		0.25	0.45	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	5.4		0.22	0.45	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	1.5		0.25	0.45	mg/Kg-dry	240120	1
Chrysene	3.2		0.25	0.45	mg/Kg-dry	240120	1
Dibenz(a,h)anthracene	0.48		0.24	0.45	mg/Kg-dry	240120	1
Fluoranthene	3.5		0.053	0.45	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	1.2		0.24	0.45	mg/Kg-dry	240120	1
Phenanthrene	0.58		0.042	0.45	mg/Kg-dry	240120	1
Pyrene	3.6		0.22	0.45	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	28700		4.09	607	mg/Kg-dry	240160	10
Arsenic	14.5		0.534	6.07	mg/Kg-dry	240160	1
Barium	72.4		0.0962	6.07	mg/Kg-dry	240160	1
Chromium	40.1		0.0390	3.04	mg/Kg-dry	240160	1
Cobalt	9.92		0.0500	3.04	mg/Kg-dry	240160	1
Copper	53.6		0.0378	3.04	mg/Kg-dry	240160	1
Lead	108		0.0821	6.07	mg/Kg-dry	240160	1
Nickel	16.8		0.128	6.07	mg/Kg-dry	240160	1
Vanadium	103		0.0283	6.07	mg/Kg-dry	240160	1
Zinc	66.7		0.216	6.07	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	27.2		0	0	wt%	R339673	1
Client Sample ID: TMW-6-2'				**Lab ID:** 1703M79-009			
Collection Date: 3/22/2017 3:55:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(b)fluoranthene	0.71		0.24	0.51	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	20900		3.60	534	mg/Kg-dry	240160	10
Barium	51.1		0.0847	5.34	mg/Kg-dry	240160	1
Chromium	43.3		0.0343	2.67	mg/Kg-dry	240160	1
Cobalt	3.96		0.0440	2.67	mg/Kg-dry	240160	1
Copper	34.8		0.0332	2.67	mg/Kg-dry	240160	1
Lead	25.7		0.0723	5.34	mg/Kg-dry	240160	1
Nickel	10.8		0.113	5.34	mg/Kg-dry	240160	1
Vanadium	76.0		0.0249	5.34	mg/Kg-dry	240160	1
Zinc	54.2		0.190	5.34	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	34.7		0	0	wt%	R339673	1
Client Sample ID: TMW-7-(0-1')				**Lab ID:** 1703M79-010			
Collection Date: 3/23/2017 10:30:00 AM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.239		0.0264	0.178	mg/Kg-dry	240291	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-7-(0-1')				**Lab ID:** 1703M79-010			
Collection Date: 3/23/2017 10:30:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthylene	1.3		0.061	0.66	mg/Kg-dry	240120	1
Anthracene	2.1		0.067	0.66	mg/Kg-dry	240120	1
Benz(a)anthracene	2.6		0.31	0.66	mg/Kg-dry	240120	1
Benzo(a)pyrene	2.9		0.36	0.66	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	6.3		0.32	0.66	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	2.0		0.37	0.66	mg/Kg-dry	240120	1
Chrysene	3.7		0.37	0.66	mg/Kg-dry	240120	1
Fluoranthene	5.5		0.077	0.66	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	1.6		0.35	0.66	mg/Kg-dry	240120	1
Pentachlorophenol	4.0		0.080	3.4	mg/Kg-dry	240120	1
Phenanthrene	1.0		0.062	0.66	mg/Kg-dry	240120	1
Pyrene	4.9		0.32	0.66	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	22200		6.62	983	mg/Kg-dry	240160	10
Arsenic	25.9		0.864	9.83	mg/Kg-dry	240160	1
Barium	155		0.156	9.83	mg/Kg-dry	240160	1
Chromium	62.6		0.0631	4.92	mg/Kg-dry	240160	1
Cobalt	16.8		0.0810	4.92	mg/Kg-dry	240160	1
Copper	76.4		0.0611	4.92	mg/Kg-dry	240160	1
Lead	150		0.133	9.83	mg/Kg-dry	240160	1
Nickel	20.2		0.207	9.83	mg/Kg-dry	240160	1
Vanadium	78.7		0.0458	9.83	mg/Kg-dry	240160	1
Zinc	179		0.350	9.83	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	50.3		0	0	wt%	R339673	1
Client Sample ID: TMW-7-2'				**Lab ID:** 1703M79-011			
Collection Date: 3/23/2017 10:40:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benz(a)anthracene	1.1		0.28	0.60	mg/Kg-dry	240120	1
Benzo(a)pyrene	1.2		0.32	0.60	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	2.6		0.29	0.60	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	0.79		0.33	0.60	mg/Kg-dry	240120	1
Chrysene	1.5		0.33	0.60	mg/Kg-dry	240120	1
Fluoranthene	1.4		0.069	0.60	mg/Kg-dry	240120	1
Phenanthrene	0.71		0.056	0.60	mg/Kg-dry	240120	1
Pyrene	1.6		0.29	0.60	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	16600		3.86	573	mg/Kg-dry	240160	10
Arsenic	7.23		0.503	5.73	mg/Kg-dry	240160	1
Barium	89.0		0.0907	5.73	mg/Kg-dry	240160	1
Chromium	39.3		0.0368	2.86	mg/Kg-dry	240160	1
Cobalt	26.9		0.0472	2.86	mg/Kg-dry	240160	1
Copper	41.5		0.0356	2.86	mg/Kg-dry	240160	1
Lead	106		0.0774	5.73	mg/Kg-dry	240160	1
Nickel	19.2		0.121	5.73	mg/Kg-dry	240160	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-7-2'				**Lab ID:** 1703M79-011			
Collection Date: 3/23/2017 10:40:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Vanadium	69.8		0.0267	5.73	mg/Kg-dry	240160	1
Zinc	114		0.204	5.73	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	44.7		0	0	wt%	R339673	1
Client Sample ID: TMW-8-(0-1')				**Lab ID:** 1703M79-012			
Collection Date: 3/23/2017 11:30:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	32000		3.00	446	mg/Kg-dry	240160	10
Arsenic	9.83		0.392	4.46	mg/Kg-dry	240160	1
Barium	69.2		0.0706	4.46	mg/Kg-dry	240160	1
Chromium	37.9		0.0286	2.23	mg/Kg-dry	240160	1
Cobalt	9.41		0.0367	2.23	mg/Kg-dry	240160	1
Copper	31.3		0.0277	2.23	mg/Kg-dry	240160	1
Lead	24.0		0.0602	4.46	mg/Kg-dry	240160	1
Nickel	13.1		0.0938	4.46	mg/Kg-dry	240160	1
Vanadium	85.0		0.0208	4.46	mg/Kg-dry	240160	1
Zinc	42.0		0.159	4.46	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	26.6		0	0	wt%	R339673	1
Client Sample ID: TMW-8-9'				**Lab ID:** 1703M79-013			
Collection Date: 3/23/2017 11:50:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	26200		2.60	386	mg/Kg-dry	240160	10
Arsenic	5.14		0.339	3.86	mg/Kg-dry	240160	1
Barium	80.6		0.0611	3.86	mg/Kg-dry	240160	1
Chromium	27.4		0.0248	1.93	mg/Kg-dry	240160	1
Cobalt	3.67		0.0318	1.93	mg/Kg-dry	240160	1
Copper	35.2		0.0240	1.93	mg/Kg-dry	240160	1
Lead	13.5		0.0522	3.86	mg/Kg-dry	240160	1
Nickel	13.6		0.0813	3.86	mg/Kg-dry	240160	1
Vanadium	64.0		0.0180	3.86	mg/Kg-dry	240160	1
Zinc	49.5		0.138	3.86	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	22.3		0	0	wt%	R339673	1
Client Sample ID: TMW-9-(0-1')				**Lab ID:** 1703M79-014			
Collection Date: 3/23/2017 12:30:00 PM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.286		0.0223	0.151	mg/Kg-dry	240291	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	30		0.55	5.3	mg/Kg-dry	240120	10
Acenaphthylene	3.9		0.049	0.53	mg/Kg-dry	240120	1
Anthracene	9.5		0.53	5.3	mg/Kg-dry	240120	10
Benz(a)anthracene	31		2.5	5.3	mg/Kg-dry	240120	10
Benzo(a)pyrene	58		2.9	5.3	mg/Kg-dry	240120	10

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-9-(0-1')				**Lab ID:** 1703M79-014			
Collection Date: 3/23/2017 12:30:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(b)fluoranthene	110		26	53	mg/Kg-dry	240120	100
Benzo(k)fluoranthene	24		3.0	5.3	mg/Kg-dry	240120	10
Carbazole	2.3		0.059	0.53	mg/Kg-dry	240120	1
Chrysene	45		2.9	5.3	mg/Kg-dry	240120	10
Dibenz(a,h)anthracene	11		2.8	5.3	mg/Kg-dry	240120	10
Dibenzofuran	2.3		0.055	0.53	mg/Kg-dry	240120	1
Fluoranthene	36		0.62	5.3	mg/Kg-dry	240120	10
Fluorene	26		0.47	5.3	mg/Kg-dry	240120	10
Indeno(1,2,3-cd)pyrene	31		2.8	5.3	mg/Kg-dry	240120	10
Naphthalene	1.4		0.063	0.53	mg/Kg-dry	240120	1
Phenanthrene	2.4		0.050	0.53	mg/Kg-dry	240120	1
Pyrene	28		2.6	5.3	mg/Kg-dry	240120	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	16200		4.21	626	mg/Kg-dry	240160	10
Arsenic	9.65		0.550	6.26	mg/Kg-dry	240160	1
Barium	78.0		0.0991	6.26	mg/Kg-dry	240160	1
Chromium	237		0.0402	3.13	mg/Kg-dry	240160	1
Cobalt	5.84		0.0515	3.13	mg/Kg-dry	240160	1
Copper	35.0		0.0389	3.13	mg/Kg-dry	240160	1
Lead	92.6		0.0846	6.26	mg/Kg-dry	240160	1
Nickel	11.4		0.132	6.26	mg/Kg-dry	240160	1
Vanadium	46.5		0.0292	6.26	mg/Kg-dry	240160	1
Zinc	588		0.223	6.26	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	37.6		0	0	wt%	R339673	1
Client Sample ID: TMW-10-(0-1')				**Lab ID:** 1703M79-015			
Collection Date: 3/23/2017 1:05:00 PM				**Matrix:** Soil			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.38		0.015	0.30	mg/Kg-dry	240295	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	3.8		0.067	0.65	mg/Kg-dry	240120	1
Acenaphthylene	2.5		0.059	0.65	mg/Kg-dry	240120	1
Anthracene	15		0.65	6.5	mg/Kg-dry	240120	10
Benz(a)anthracene	15		3.0	6.5	mg/Kg-dry	240120	10
Benzo(a)pyrene	9.7		0.35	0.65	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	16		3.1	6.5	mg/Kg-dry	240120	10
Benzo(k)fluoranthene	5.2		0.36	0.65	mg/Kg-dry	240120	1
Carbazole	2.9		0.072	0.65	mg/Kg-dry	240120	1
Chrysene	19		3.6	6.5	mg/Kg-dry	240120	10
Dibenz(a,h)anthracene	1.2		0.35	0.65	mg/Kg-dry	240120	1
Dibenzofuran	2.4		0.068	0.65	mg/Kg-dry	240120	1
Fluoranthene	52		0.75	6.5	mg/Kg-dry	240120	10
Fluorene	5.5		0.057	0.65	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	2.5		0.34	0.65	mg/Kg-dry	240120	1
Phenanthrene	25		0.61	6.5	mg/Kg-dry	240120	10

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-10-(0-1')				**Lab ID:** 1703M79-015			
Collection Date: 3/23/2017 1:05:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Pyrene	36		3.1	6.5	mg/Kg-dry	240120	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	13800		0.610	90.7	mg/Kg-dry	240160	1
Barium	108		0.144	9.07	mg/Kg-dry	240160	1
Chromium	41.0		0.0582	4.53	mg/Kg-dry	240160	1
Cobalt	11.4		0.0747	4.53	mg/Kg-dry	240160	1
Copper	49.3		0.0564	4.53	mg/Kg-dry	240160	1
Lead	82.3		0.123	9.07	mg/Kg-dry	240160	1
Nickel	14.7		0.191	9.07	mg/Kg-dry	240160	1
Vanadium	47.6		0.0422	9.07	mg/Kg-dry	240160	1
Zinc	356		0.323	9.07	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	48.9		0	0	wt%	R339673	1
Client Sample ID: TMW-11-(0-1')				**Lab ID:** 1703M79-016			
Collection Date: 3/23/2017 2:00:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2,3,4,6-Tetrachlorophenol	1.8		0.061	0.62	mg/Kg-dry	240120	1
Acenaphthene	5.2		0.065	0.62	mg/Kg-dry	240120	1
Acenaphthylene	6.3		0.057	0.62	mg/Kg-dry	240120	1
Anthracene	12		0.63	6.2	mg/Kg-dry	240120	10
Benz(a)anthracene	6.0		0.29	0.62	mg/Kg-dry	240120	1
Benzo(a)pyrene	8.3		0.34	0.62	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	15		3.0	6.2	mg/Kg-dry	240120	10
Benzo(k)fluoranthene	3.0		0.35	0.62	mg/Kg-dry	240120	1
Carbazole	3.7		0.070	0.62	mg/Kg-dry	240120	1
Chrysene	7.0		0.35	0.62	mg/Kg-dry	240120	1
Dibenz(a,h)anthracene	1.8		0.34	0.62	mg/Kg-dry	240120	1
Dibenzofuran	0.66		0.065	0.62	mg/Kg-dry	240120	1
Fluoranthene	13		0.73	6.2	mg/Kg-dry	240120	10
Fluorene	3.8		0.055	0.62	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	5.1		0.33	0.62	mg/Kg-dry	240120	1
Naphthalene	0.66		0.074	0.62	mg/Kg-dry	240120	1
Phenanthrene	3.0		0.059	0.62	mg/Kg-dry	240120	1
Pyrene	8.3		0.30	0.62	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	23200		3.54	525	mg/Kg-dry	240160	10
Arsenic	14.5		0.462	5.25	mg/Kg-dry	240160	1
Barium	166		0.0832	5.25	mg/Kg-dry	240160	1
Chromium	50.6		0.0337	2.63	mg/Kg-dry	240160	1
Cobalt	9.59		0.0433	2.63	mg/Kg-dry	240160	1
Copper	60.4		0.0327	2.63	mg/Kg-dry	240160	1
Lead	145		0.0710	5.25	mg/Kg-dry	240160	1
Nickel	16.7		0.111	5.25	mg/Kg-dry	240160	1
Vanadium	66.2		0.0245	5.25	mg/Kg-dry	240160	1
Zinc	196		0.187	5.25	mg/Kg-dry	240160	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-11-(0-1')				**Lab ID:** 1703M79-016			
Collection Date: 3/23/2017 2:00:00 PM				**Matrix:** Soil			
PERCENT MOISTURE D2216							
Percent Moisture	47.2		0	0	wt%	R339673	1
Client Sample ID: TMW-12-(0-1')				**Lab ID:** 1703M79-017			
Collection Date: 3/24/2017 9:45:00 AM				**Matrix:** Soil			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.39		0.011	0.22	mg/Kg-dry	240295	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Anthracene	0.68		0.049	0.49	mg/Kg-dry	240120	1
Benz(a)anthracene	0.71		0.23	0.49	mg/Kg-dry	240120	1
Benzo(a)pyrene	0.81		0.26	0.49	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	2.1		0.24	0.49	mg/Kg-dry	240120	1
Chrysene	0.87		0.27	0.49	mg/Kg-dry	240120	1
Fluoranthene	1.4		0.057	0.49	mg/Kg-dry	240120	1
Phenanthrene	0.82		0.046	0.49	mg/Kg-dry	240120	1
Pyrene	1.2		0.24	0.49	mg/Kg-dry	240120	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	14000		2.73	405	mg/Kg-dry	240160	10
Arsenic	7.06		0.356	4.05	mg/Kg-dry	240160	1
Barium	107		0.0642	4.05	mg/Kg-dry	240160	1
Chromium	50.5		0.0260	2.03	mg/Kg-dry	240160	1
Cobalt	52.7		0.0334	2.03	mg/Kg-dry	240160	1
Copper	31.6		0.0252	2.03	mg/Kg-dry	240160	1
Lead	64.8		0.0548	4.05	mg/Kg-dry	240160	1
Nickel	9.48		0.0853	4.05	mg/Kg-dry	240160	1
Vanadium	37.7		0.0189	4.05	mg/Kg-dry	240160	1
Zinc	49.0		0.144	4.05	mg/Kg-dry	240160	1
PERCENT MOISTURE D2216							
Percent Moisture	32.5		0	0	wt%	R339673	1
Client Sample ID: TMW-13-(0-1')				**Lab ID:** 1703M79-018			
Collection Date: 3/24/2017 10:40:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	0.47		0.044	0.43	mg/Kg-dry	240120	1
Acenaphthylene	0.52		0.039	0.43	mg/Kg-dry	240120	1
Anthracene	1.6		0.043	0.43	mg/Kg-dry	240120	1
Benz(a)anthracene	2.2		0.20	0.43	mg/Kg-dry	240120	1
Benzo(a)pyrene	2.3		0.23	0.43	mg/Kg-dry	240120	1
Benzo(b)fluoranthene	3.1		0.21	0.43	mg/Kg-dry	240120	1
Benzo(k)fluoranthene	1.2		0.24	0.43	mg/Kg-dry	240120	1
Carbazole	0.74		0.047	0.43	mg/Kg-dry	240120	1
Chrysene	2.3		0.23	0.43	mg/Kg-dry	240120	1
Fluoranthene	4.7		0.049	0.43	mg/Kg-dry	240120	1
Fluorene	0.48		0.038	0.43	mg/Kg-dry	240120	1
Indeno(1,2,3-cd)pyrene	1.6		0.23	0.43	mg/Kg-dry	240120	1
Pentachlorophenol	5.0		0.051	2.2	mg/Kg-dry	240120	1
Phenanthrene	3.4		0.040	0.43	mg/Kg-dry	240120	1
Pyrene	3.6		0.21	0.43	mg/Kg-dry	240120	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-13-(0-1')				**Lab ID:** 1703M79-018			
Collection Date: 3/24/2017 10:40:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	12400		2.72	404	mg/Kg-dry	240312	10
Arsenic	8.60		0.355	4.04	mg/Kg-dry	240312	1
Barium	74.2		0.0640	4.04	mg/Kg-dry	240312	1
Chromium	31.8		0.0259	2.02	mg/Kg-dry	240312	1
Cobalt	7.07		0.0333	2.02	mg/Kg-dry	240312	1
Copper	38.8		0.0251	2.02	mg/Kg-dry	240312	1
Lead	78.9		0.0546	4.04	mg/Kg-dry	240312	1
Nickel	9.67		0.0850	4.04	mg/Kg-dry	240312	1
Vanadium	40.0		0.0188	4.04	mg/Kg-dry	240312	1
Zinc	110		0.144	4.04	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	22.4		0	0	wt%	R339673	1
Client Sample ID: TMW-13-2'				**Lab ID:** 1703M79-019			
Collection Date: 3/24/2017 10:45:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	1.0		0.045	0.43	mg/Kg-dry	240177	1
Anthracene	0.60		0.044	0.43	mg/Kg-dry	240177	1
Benz(a)anthracene	1.1		0.20	0.43	mg/Kg-dry	240177	1
Benzo(a)pyrene	0.44		0.23	0.43	mg/Kg-dry	240177	1
Benzo(b)fluoranthene	1.0		0.21	0.43	mg/Kg-dry	240177	1
Chrysene	1.2		0.24	0.43	mg/Kg-dry	240177	1
Fluoranthene	4.8		0.050	0.43	mg/Kg-dry	240177	1
Fluorene	0.51		0.038	0.43	mg/Kg-dry	240177	1
Pyrene	3.3		0.21	0.43	mg/Kg-dry	240177	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	5240		3.34	495	mg/Kg-dry	240312	10
Barium	52.1		0.0785	4.95	mg/Kg-dry	240312	1
Chromium	31.9		0.0318	2.48	mg/Kg-dry	240312	1
Cobalt	5.50		0.0408	2.48	mg/Kg-dry	240312	1
Copper	16.2		0.0308	2.48	mg/Kg-dry	240312	1
Lead	35.2		0.0670	4.95	mg/Kg-dry	240312	1
Vanadium	21.9		0.0231	4.95	mg/Kg-dry	240312	1
Zinc	60.5		0.177	4.95	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	23.8		0	0	wt%	R339673	1
Client Sample ID: TMW-14-(0-1')				**Lab ID:** 1703M79-020			
Collection Date: 3/24/2017 11:30:00 AM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.186		0.0256	0.173	mg/Kg-dry	240291	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2,3,4,6-Tetrachlorophenol	0.77		0.060	0.62	mg/Kg-dry	240177	1
Acenaphthylene	2.8		0.057	0.62	mg/Kg-dry	240177	1
Anthracene	4.7		0.063	0.62	mg/Kg-dry	240177	1
Benz(a)anthracene	3.2		0.29	0.62	mg/Kg-dry	240177	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-14-(0-1')				**Lab ID:** 1703M79-020			
Collection Date: 3/24/2017 11:30:00 AM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(a)pyrene	3.3		0.34	0.62	mg/Kg-dry	240177	1
Benzo(b)fluoranthene	5.3		0.30	0.62	mg/Kg-dry	240177	1
Benzo(k)fluoranthene	1.3		0.35	0.62	mg/Kg-dry	240177	1
Carbazole	1.9		0.069	0.62	mg/Kg-dry	240177	1
Chrysene	3.3		0.34	0.62	mg/Kg-dry	240177	1
Dibenz(a,h)anthracene	0.87		0.33	0.62	mg/Kg-dry	240177	1
Fluoranthene	6.7		0.072	0.62	mg/Kg-dry	240177	1
Indeno(1,2,3-cd)pyrene	3.8		0.33	0.62	mg/Kg-dry	240177	1
Phenanthrene	2.1		0.058	0.62	mg/Kg-dry	240177	1
Pyrene	5.2		0.30	0.62	mg/Kg-dry	240177	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	21600		4.13	613	mg/Kg-dry	240312	10
Arsenic	17.3		0.539	6.13	mg/Kg-dry	240312	1
Barium	158		0.0971	6.13	mg/Kg-dry	240312	1
Chromium	56.6		0.0393	3.06	mg/Kg-dry	240312	1
Cobalt	13.6		0.0505	3.06	mg/Kg-dry	240312	1
Copper	73.2		0.0381	3.06	mg/Kg-dry	240312	1
Lead	156		0.0829	6.13	mg/Kg-dry	240312	1
Nickel	16.9		0.129	6.13	mg/Kg-dry	240312	1
Vanadium	96.1		0.0286	6.13	mg/Kg-dry	240312	1
Zinc	170		0.218	6.13	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	46.9		0	0	wt%	R339673	1
Client Sample ID: TMW-14-2.5'				**Lab ID:** 1703M79-021			
Collection Date: 3/24/2017 11:40:00 AM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.153		0.0196	0.133	mg/Kg-dry	240291	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	2.1		0.051	0.49	mg/Kg-dry	240177	1
Anthracene	0.78		0.049	0.49	mg/Kg-dry	240177	1
Benz(a)anthracene	0.61		0.23	0.49	mg/Kg-dry	240177	1
Benzo(a)pyrene	0.97		0.27	0.49	mg/Kg-dry	240177	1
Benzo(b)fluoranthene	2.9		0.24	0.49	mg/Kg-dry	240177	1
Chrysene	1.2		0.27	0.49	mg/Kg-dry	240177	1
Fluoranthene	1.3		0.057	0.49	mg/Kg-dry	240177	1
Fluorene	1.1		0.043	0.49	mg/Kg-dry	240177	1
Indeno(1,2,3-cd)pyrene	1.1		0.26	0.49	mg/Kg-dry	240177	1
Pyrene	1.2		0.24	0.49	mg/Kg-dry	240177	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	18700		3.41	507	mg/Kg-dry	240312	10
Arsenic	11.8		0.446	5.07	mg/Kg-dry	240312	1
Barium	87.6		0.0803	5.07	mg/Kg-dry	240312	1
Chromium	97.8		0.0326	2.54	mg/Kg-dry	240312	1
Cobalt	10.1		0.0418	2.54	mg/Kg-dry	240312	1
Copper	45.1		0.0315	2.54	mg/Kg-dry	240312	1

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-14-2.5'				**Lab ID:** 1703M79-021			
Collection Date: 3/24/2017 11:40:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	131		0.0686	5.07	mg/Kg-dry	240312	1
Nickel	13.3		0.107	5.07	mg/Kg-dry	240312	1
Vanadium	80.2		0.0236	5.07	mg/Kg-dry	240312	1
Zinc	156		0.181	5.07	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	32.9		0	0	wt%	R339673	1
Client Sample ID: TMW-15-(0-1')				**Lab ID:** 1703M79-022			
Collection Date: 3/24/2017 12:40:00 PM				**Matrix:** Soil			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.58		0.013	0.26	mg/Kg-dry	240163	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	24000		4.42	657	mg/Kg-dry	240312	10
Arsenic	9.83		0.578	6.57	mg/Kg-dry	240312	1
Barium	98.8		0.104	6.57	mg/Kg-dry	240312	1
Chromium	34.3		0.0422	3.29	mg/Kg-dry	240312	1
Cobalt	7.18		0.0542	3.29	mg/Kg-dry	240312	1
Copper	33.9		0.0409	3.29	mg/Kg-dry	240312	1
Lead	71.4		0.0889	6.57	mg/Kg-dry	240312	1
Nickel	10.5		0.138	6.57	mg/Kg-dry	240312	1
Vanadium	63.9		0.0306	6.57	mg/Kg-dry	240312	1
Zinc	89.8		0.234	6.57	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	42.5		0	0	wt%	R339673	1
Client Sample ID: TMW-15-4'				**Lab ID:** 1703M79-023			
Collection Date: 3/24/2017 12:50:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	23900		3.18	472	mg/Kg-dry	240312	10
Barium	56.0		0.0748	4.72	mg/Kg-dry	240312	1
Chromium	42.3		0.0303	2.36	mg/Kg-dry	240312	1
Copper	20.3		0.0294	2.36	mg/Kg-dry	240312	1
Lead	14.1		0.0638	4.72	mg/Kg-dry	240312	1
Nickel	9.00		0.0995	4.72	mg/Kg-dry	240312	1
Vanadium	65.6		0.0220	4.72	mg/Kg-dry	240312	1
Zinc	45.2		0.168	4.72	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	19.9		0	0	wt%	R339673	1
Client Sample ID: TMW-16-(0-1')				**Lab ID:** 1703M79-024			
Collection Date: 3/24/2017 1:30:00 PM				**Matrix:** Soil			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Fluoranthene	0.56		0.048	0.42	mg/Kg-dry	240177	1
Pyrene	0.43		0.20	0.42	mg/Kg-dry	240177	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	19600		3.85	572	mg/Kg-dry	240312	10

Analytical Environmental Services, Inc

Date: 10-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-16-(0-1')				**Lab ID:** 1703M79-024			
Collection Date: 3/24/2017 1:30:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Arsenic	7.34		0.503	5.72	mg/Kg-dry	240312	1
Barium	93.3		0.0907	5.72	mg/Kg-dry	240312	1
Chromium	21.6		0.0367	2.86	mg/Kg-dry	240312	1
Cobalt	6.16		0.0472	2.86	mg/Kg-dry	240312	1
Copper	21.2		0.0356	2.86	mg/Kg-dry	240312	1
Lead	82.4		0.0774	5.72	mg/Kg-dry	240312	1
Nickel	8.46		0.121	5.72	mg/Kg-dry	240312	1
Vanadium	44.9		0.0267	5.72	mg/Kg-dry	240312	1
Zinc	90.6		0.204	5.72	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	20.6		0	0	wt%	R339673	1
Client Sample ID: TMW-16-3.5'				**Lab ID:** 1703M79-025			
Collection Date: 3/24/2017 1:40:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Aluminum	20900		2.83	420	mg/Kg-dry	240312	10
Arsenic	5.14		0.369	4.20	mg/Kg-dry	240312	1
Barium	67.1		0.0665	4.20	mg/Kg-dry	240312	1
Chromium	36.2		0.0270	2.10	mg/Kg-dry	240312	1
Cobalt	3.01		0.0346	2.10	mg/Kg-dry	240312	1
Copper	18.9		0.0261	2.10	mg/Kg-dry	240312	1
Lead	10.4		0.0568	4.20	mg/Kg-dry	240312	1
Nickel	7.51		0.0884	4.20	mg/Kg-dry	240312	1
Vanadium	60.5		0.0196	4.20	mg/Kg-dry	240312	1
Zinc	27.6		0.150	4.20	mg/Kg-dry	240312	1
PERCENT MOISTURE D2216							
Percent Moisture	20.0		0	0	wt%	R339673	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	◉	○		
5.	Custody seals intact on shipping container?	○	○	◉		
6.	Temperature blanks present?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	○	◉	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	◉	○	○		
26.	Were trip blanks submitted?	◉	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	◉	○	○		As applicable
29.	Containers meet preservation guidelines?	◉	○	○		
30.	Was pH adjusted?	○	◉	○		

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240047

Sample ID: **MB-240047** Client ID: Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428981**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-240047** Client ID: Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428982**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.02	0.200	10.00		100	80	120				
Arsenic	1.042	0.0500	1.000		104	80	120				
Barium	0.9952	0.0200	1.000		99.5	80	120				
Cadmium	1.010	0.0050	1.000		101	80	120				
Chromium	0.9990	0.0100	1.000		99.9	80	120				
Cobalt	1.010	0.0200	1.000		101	80	120				
Copper	1.009	0.0100	1.000		101	80	120				
Lead	0.9972	0.0100	1.000		99.7	80	120				
Nickel	1.005	0.0200	1.000		101	80	120				
Selenium	1.019	0.0200	1.000		102	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240047

Sample ID: **LCS-240047** Client ID: Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428982**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	1.020	0.0100	1.000		102	80	120				
Zinc	0.9971	0.0200	1.000		99.7	80	120				

Sample ID: **1703L09-008CMS** Client ID: Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.47	0.200	10.00	0.2220	102	75	125				
Arsenic	1.009	0.0500	1.000		101	75	125				
Barium	1.094	0.0200	1.000	0.1074	98.6	75	125				
Cadmium	1.003	0.0050	1.000		100	75	125				
Chromium	0.9906	0.0100	1.000		99.1	75	125				
Cobalt	0.9960	0.0200	1.000		99.6	75	125				
Copper	1.015	0.0100	1.000		102	75	125				
Lead	0.9831	0.0100	1.000		98.3	75	125				
Nickel	1.001	0.0200	1.000	0.01013	99.1	75	125				
Selenium	1.003	0.0200	1.000		100	75	125				
Vanadium	1.010	0.0100	1.000		101	75	125				
Zinc	0.9891	0.0200	1.000		98.9	75	125				

Sample ID: **1703L09-008CMSD** Client ID: Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428985**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.54	0.200	10.00	0.2220	103	75	125	10.47	0.679	20	
Arsenic	1.042	0.0500	1.000		104	75	125	1.009	3.24	20	
Barium	1.111	0.0200	1.000	0.1074	100	75	125	1.094	1.63	20	
Cadmium	1.026	0.0050	1.000		103	75	125	1.003	2.27	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240047

Sample ID: **1703L09-008CMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D**
Units: **mg/L** Prep Date: **03/29/2017** Run No: **339670**
BatchID: **240047** Analysis Date: **03/30/2017** Seq No: **7428985**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium	1.010	0.0100	1.000		101	75	125	0.9906	1.90	20	
Cobalt	1.013	0.0200	1.000		101	75	125	0.9960	1.72	20	
Copper	1.034	0.0100	1.000		103	75	125	1.015	1.81	20	
Lead	1.001	0.0100	1.000		100	75	125	0.9831	1.82	20	
Nickel	1.007	0.0200	1.000	0.01013	99.7	75	125	1.001	0.574	20	
Selenium	1.032	0.0200	1.000		103	75	125	1.003	2.86	20	
Vanadium	1.030	0.0100	1.000		103	75	125	1.010	1.98	20	
Zinc	1.001	0.0200	1.000		100	75	125	0.9891	1.21	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240120

Sample ID: **MB-240120** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425486**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240120

Sample ID: **MB-240120** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425486**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2808	0	3333		84.2	46.9	137				
Surr: 2-Fluorobiphenyl	1159	0	1667		69.5	50	115				
Surr: 2-Fluorophenol	2520	0	3333		75.6	41.2	105				
Surr: 4-Terphenyl-d14	2028	0	1667		122	51.9	126				
Surr: Nitrobenzene-d5	1185	0	1667		71.1	40.2	113				
Surr: Phenol-d5	2525	0	3333		75.8	45	109				

Sample ID: **LCS-240120** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425491**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2522	330	3333		75.6	60.1	120				
4-Chloro-3-methylphenol	2508	330	3333		75.2	63.4	117				
Acenaphthene	2485	330	3333		74.6	68	120				
Pentachlorophenol	2836	1700	3333		85.1	40.5	122				
Phenol	2282	330	3333		68.5	50.1	120				
Pyrene	3917	330	3333		118	65	129				
Surr: 2,4,6-Tribromophenol	2922	0	3333		87.7	46.9	137				
Surr: 2-Fluorobiphenyl	1199	0	1667		72.0	50	115				
Surr: 2-Fluorophenol	2549	0	3333		76.5	41.2	105				
Surr: 4-Terphenyl-d14	2202	0	1667		132	51.9	126				S
Surr: Nitrobenzene-d5	1246	0	1667		74.8	40.2	113				
Surr: Phenol-d5	2615	0	3333		78.5	45	109				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240120

Sample ID: **1703M79-012BMS** Client ID: **TMW-8-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425896**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.366	0.45	4.540		74.1	50.1	100				
4-Chloro-3-methylphenol	3.295	0.45	4.540		72.6	53.8	120				
Acenaphthene	3.113	0.45	4.540		68.6	51.1	120				
Pentachlorophenol	3.361	2.3	4.540		74.0	40	131				
Phenol	2.997	0.45	4.540		66.0	40.7	120				
Pyrene	4.135	0.45	4.540		91.1	48.1	123				
Surr: 2,4,6-Tribromophenol	3.722	0	4.540		82.0	46.9	137				
Surr: 2-Fluorobiphenyl	1.554	0	2.270		68.5	50	115				
Surr: 2-Fluorophenol	3.551	0	4.540		78.2	41.2	105				
Surr: 4-Terphenyl-d14	2.365	0	2.270		104	51.9	126				
Surr: Nitrobenzene-d5	1.637	0	2.270		72.1	40.2	113				
Surr: Phenol-d5	3.535	0	4.540		77.8	45	109				

Sample ID: **1703M79-012BMSD** Client ID: **TMW-8-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.446	0.45	4.540		75.9	50.1	100	3.366	2.36	25.9	
4-Chloro-3-methylphenol	3.309	0.45	4.540		72.9	53.8	120	3.295	0.412	25	
Acenaphthene	3.125	0.45	4.540		68.8	51.1	120	3.113	0.364	25.9	
Pentachlorophenol	3.619	2.3	4.540		79.7	40	131	3.361	7.42	48.3	
Phenol	2.999	0.45	4.540		66.0	40.7	120	2.997	0.061	28.7	
Pyrene	4.427	0.45	4.540		97.5	48.1	123	4.135	6.82	23.9	
Surr: 2,4,6-Tribromophenol	3.718	0	4.540		81.9	46.9	137	3.722	0	0	
Surr: 2-Fluorobiphenyl	1.535	0	2.270		67.6	50	115	1.554	0	0	
Surr: 2-Fluorophenol	3.537	0	4.540		77.9	41.2	105	3.551	0	0	
Surr: 4-Terphenyl-d14	2.491	0	2.270		110	51.9	126	2.365	0	0	
Surr: Nitrobenzene-d5	1.667	0	2.270		73.4	40.2	113	1.637	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240120

Sample ID: **1703M79-012BMSD** Client ID: **TMW-8-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/28/2017** Run No: **339534**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240120** Analysis Date: **03/29/2017** Seq No: **7425897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3.523	0	4.540		77.6	45	109	3.535	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240121

Sample ID: **MB-240121** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425418**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240121

Sample ID: **MB-240121** Client ID: Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425418**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	93.01	0	100.0		93.0	50	142				
Surr: 2-Fluorobiphenyl	34.63	0	50.00		69.3	46	124				
Surr: 2-Fluorophenol	39.44	0	100.0		39.4	25.3	120				
Surr: 4-Terphenyl-d14	45.77	0	50.00		91.5	45.1	133				
Surr: Nitrobenzene-d5	37.15	0	50.00		74.3	40.1	121				
Surr: Phenol-d5	22.60	0	100.0		22.6	16.3	120				

Sample ID: **LCS-240121** Client ID: Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425419**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	86.06	10	100.0		86.1	53.1	120				
4-Chloro-3-methylphenol	93.35	10	100.0		93.4	65.6	126				
Acenaphthene	85.39	10	100.0		85.4	64.1	121				
Pentachlorophenol	104.0	25	100.0		104	50.2	131				
Phenol	37.18	10	100.0		37.2	25	120				
Pyrene	94.34	10	100.0		94.3	70.5	134				
Surr: 2,4,6-Tribromophenol	106.3	0	100.0		106	50	142				
Surr: 2-Fluorobiphenyl	41.27	0	50.00		82.5	46	124				
Surr: 2-Fluorophenol	57.41	0	100.0		57.4	25.3	120				
Surr: 4-Terphenyl-d14	50.80	0	50.00		102	45.1	133				
Surr: Nitrobenzene-d5	45.73	0	50.00		91.5	40.1	121				
Surr: Phenol-d5	39.26	0	100.0		39.3	16.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240121

Sample ID: **1703M82-010BMS** Client ID: Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425421**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	66.49	10	100.0		66.5	50.8	120				
4-Chloro-3-methylphenol	79.59	10	100.0		79.6	47.1	124				
Acenaphthene	75.52	10	100.0		75.5	44.7	119				
Pentachlorophenol	92.89	25	100.0		92.9	40	120				
Phenol	31.46	10	100.0		31.5	31.5	120				S
Pyrene	82.92	10	100.0		82.9	51	129				
Surr: 2,4,6-Tribromophenol	91.46	0	100.0		91.5	50	142				
Surr: 2-Fluorobiphenyl	35.47	0	50.00		70.9	46	124				
Surr: 2-Fluorophenol	44.01	0	100.0		44.0	25.3	120				
Surr: 4-Terphenyl-d14	44.10	0	50.00		88.2	45.1	133				
Surr: Nitrobenzene-d5	37.05	0	50.00		74.1	40.1	121				
Surr: Phenol-d5	33.96	0	100.0		34.0	16.3	120				

Sample ID: **1703M82-010BMSD** Client ID: Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425422**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	72.32	10	100.0		72.3	50.8	120	66.49	8.40	24.8	
4-Chloro-3-methylphenol	82.31	10	100.0		82.3	47.1	124	79.59	3.36	20.7	
Acenaphthene	80.28	10	100.0		80.3	44.7	119	75.52	6.11	20.5	
Pentachlorophenol	103.3	25	100.0		103	40	120	92.89	10.6	30.7	
Phenol	35.51	10	100.0		35.5	31.5	120	31.46	12.1	28.5	
Pyrene	86.53	10	100.0		86.5	51	129	82.92	4.26	24.8	
Surr: 2,4,6-Tribromophenol	92.41	0	100.0		92.4	50	142	91.46	0	0	
Surr: 2-Fluorobiphenyl	36.74	0	50.00		73.5	46	124	35.47	0	0	
Surr: 2-Fluorophenol	47.38	0	100.0		47.4	25.3	120	44.01	0	0	
Surr: 4-Terphenyl-d14	43.58	0	50.00		87.2	45.1	133	44.10	0	0	
Surr: Nitrobenzene-d5	37.09	0	50.00		74.2	40.1	121	37.05	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240121

Sample ID: **1703M82-010BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **03/28/2017** Run No: **339527**
BatchID: **240121** Analysis Date: **03/28/2017** Seq No: **7425422**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	36.12	0	100.0		36.1	16.3	120	33.96	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240160

Sample ID: **MB-240160** Client ID: Units: **mg/Kg** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434339**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	50.0									
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Lead	BRL	5.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-240160** Client ID: Units: **mg/Kg** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434340**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	524.4	50.0	500.0		105	80	120				
Arsenic	51.25	5.00	50.00		102	80	120				
Barium	53.36	5.00	50.00		107	80	120				
Cadmium	51.83	2.50	50.00		104	80	120				
Chromium	54.64	2.50	50.00	0.1400	109	80	120				
Cobalt	53.53	2.50	50.00		107	80	120				
Copper	54.60	2.50	50.00		109	80	120				
Lead	52.28	5.00	50.00		105	80	120				
Nickel	52.62	5.00	50.00		105	80	120				
Selenium	47.05	5.00	50.00		94.1	80	120				
Vanadium	54.51	5.00	50.00	0.05050	109	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240160

Sample ID: **LCS-240160** Client ID: Units: **mg/Kg** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434340**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	51.70	5.00	50.00		103	80	120				

Sample ID: **1703M79-008CMS** Client ID: **TMW-6-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434344**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	67.48	6.07	60.75	14.51	87.2	75	125				
Barium	154.7	6.07	60.75	72.35	136	75	125				S
Cadmium	55.55	3.04	60.75	0.5671	90.5	75	125				
Chromium	101.3	3.04	60.75	40.07	101	75	125				
Cobalt	68.18	3.04	60.75	9.919	95.9	75	125				
Copper	118.5	3.04	60.75	53.56	107	75	125				
Lead	169.7	6.07	60.75	108.5	101	75	125				
Nickel	69.36	6.07	60.75	16.78	86.6	75	125				
Selenium	39.86	6.07	60.75		65.6	75	125				S
Vanadium	164.8	6.07	60.75	103.4	101	75	125				
Zinc	125.4	6.07	60.75	66.70	96.6	75	125				

Sample ID: **1703M79-008CMS** Client ID: **TMW-6-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **240160** Analysis Date: **04/03/2017** Seq No: **7435550**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	33240	607	607.5	28730	742	75	125				S

Sample ID: **1703M79-008CMSD** Client ID: **TMW-6-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434345**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240160

Sample ID: **1703M79-008CMSD** Client ID: **TMW-6-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **240160** Analysis Date: **03/31/2017** Seq No: **7434345**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	62.72	6.04	60.44	14.51	79.8	75	125	67.48	7.31	20	
Barium	130.4	6.04	60.44	72.35	96.1	75	125	154.7	17.0	20	
Cadmium	55.23	3.02	60.44	0.5671	90.4	75	125	55.55	0.575	20	
Chromium	102.6	3.02	60.44	40.07	104	75	125	101.3	1.28	20	
Cobalt	61.57	3.02	60.44	9.919	85.5	75	125	68.18	10.2	20	
Copper	117.2	3.02	60.44	53.56	105	75	125	118.5	1.13	20	
Lead	142.4	6.04	60.44	108.5	56.1	75	125	169.7	17.5	20	S
Nickel	68.45	6.04	60.44	16.78	85.5	75	125	69.36	1.33	20	
Selenium	39.59	6.04	60.44		65.5	75	125	39.86	0.672	20	S
Vanadium	162.7	6.04	60.44	103.4	98.2	75	125	164.8	1.32	20	
Zinc	119.8	6.04	60.44	66.70	87.8	75	125	125.4	4.59	20	

Sample ID: **1703M79-008CMSD** Client ID: **TMW-6-(0-1')** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339859**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **240160** Analysis Date: **04/03/2017** Seq No: **7435551**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	30940	604	604.4	28730	366	75	125	33240	7.15	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240163

Sample ID: **MB-240163** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339438**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240163** Analysis Date: **03/28/2017** Seq No: **7424081**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	48.70	0	50.00		97.4	63	125				
Surr: Dibromofluoromethane	48.15	0	50.00		96.3	69.9	123				
Surr: Toluene-d8	48.16	0	50.00		96.3	70	122				

Sample ID: **LCS-240163** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339438**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240163** Analysis Date: **03/28/2017** Seq No: **7424080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.26	5.0	50.00		111	62	142				
Benzene	52.68	5.0	50.00		105	70.2	131				
Toluene	45.11	5.0	50.00		90.2	70.6	131				
Trichloroethene	50.99	5.0	50.00		102	70.1	136				
Surr: 4-Bromofluorobenzene	45.17	0	50.00		90.3	63	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240163

Sample ID: **LCS-240163** Client ID: Units: **ug/Kg** Prep Date: **03/28/2017** Run No: **339438**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240163** Analysis Date: **03/28/2017** Seq No: **7424080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	47.35	0	50.00		94.7	69.9	123				
Surr: Toluene-d8	44.51	0	50.00		89.0	70	122				

Sample ID: **1703M90-002AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **03/28/2017** Run No: **339438**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240163** Analysis Date: **03/28/2017** Seq No: **7424084**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04238	0.0054	0.0543		78.0	55	143				
Benzene	0.04795	0.0054	0.0543		88.2	68.5	128				
Toluene	0.04492	0.0054	0.0543		82.7	66.9	128				
Trichloroethene	0.04740	0.0054	0.0543		87.2	60.7	133				
Surr: 4-Bromofluorobenzene	0.04906	0	0.0543		90.3	63	125				
Surr: Dibromofluoromethane	0.05008	0	0.0543		92.2	69.9	123				
Surr: Toluene-d8	0.05244	0	0.0543		96.5	70	122				

Sample ID: **1703M90-002AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **03/28/2017** Run No: **339438**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240163** Analysis Date: **03/28/2017** Seq No: **7424085**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04758	0.0054	0.0543		87.6	55	143	0.04238	11.5	19.3	
Benzene	0.05142	0.0054	0.0543		94.6	68.5	128	0.04795	7.00	20	
Toluene	0.04754	0.0054	0.0543		87.5	66.9	128	0.04492	5.69	20	
Trichloroethene	0.04865	0.0054	0.0543		89.5	60.7	133	0.04740	2.60	20	
Surr: 4-Bromofluorobenzene	0.05286	0	0.0543		97.3	63	125	0.04906	0	0	
Surr: Dibromofluoromethane	0.05208	0	0.0543		95.8	69.9	123	0.05008	0	0	
Surr: Toluene-d8	0.05110	0	0.0543		94.0	70	122	0.05244	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240177

Sample ID: **MB-240177** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg** Prep Date: **03/29/2017** Run No: **339615**
BatchID: **240177** Analysis Date: **03/30/2017** Seq No: **7427510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240177

Sample ID: **MB-240177**	Client ID:		Units: **ug/Kg**	Prep Date: **03/29/2017**	Run No: **339615**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240177**	Analysis Date: **03/30/2017**	Seq No: **7427510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	3222	0	3333		96.6	46.9	137				
Surr: 2-Fluorobiphenyl	1442	0	1667		86.5	50	115				
Surr: 2-Fluorophenol	2499	0	3333		75.0	41.2	105				
Surr: 4-Terphenyl-d14	1878	0	1667		113	51.9	126				
Surr: Nitrobenzene-d5	1238	0	1667		74.3	40.2	113				
Surr: Phenol-d5	2555	0	3333		76.7	45	109				

Sample ID: **LCS-240177**	Client ID:		Units: **ug/Kg**	Prep Date: **03/29/2017**	Run No: **339615**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240177**	Analysis Date: **03/30/2017**	Seq No: **7430061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3027	330	3333		90.8	60.1	120				
4-Chloro-3-methylphenol	3208	330	3333		96.2	63.4	117				
Acenaphthene	3302	330	3333		99.1	68	120				
Pentachlorophenol	3017	1700	3333		90.5	40.5	122				
Phenol	3068	330	3333		92.0	50.1	120				
Pyrene	3285	330	3333		98.6	65	129				
Surr: 2,4,6-Tribromophenol	4014	0	3333		120	46.9	137				
Surr: 2-Fluorobiphenyl	1607	0	1667		96.4	50	115				
Surr: 2-Fluorophenol	2888	0	3333		86.6	41.2	105				
Surr: 4-Terphenyl-d14	1713	0	1667		103	51.9	126				
Surr: Nitrobenzene-d5	1431	0	1667		85.8	40.2	113				
Surr: Phenol-d5	3044	0	3333		91.3	45	109				

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240177

Sample ID: **1703M82-008BMS** Client ID:
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **mg/Kg-dry** Prep Date: **03/29/2017** Run No: **339615**
BatchID: **240177** Analysis Date: **03/30/2017** Seq No: **7430059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.496	0.38	3.809		91.8	50.1	100				
4-Chloro-3-methylphenol	3.595	0.38	3.809		94.4	53.8	120				
Acenaphthene	3.622	0.38	3.809		95.1	51.1	120				
Pentachlorophenol	3.534	1.9	3.809		92.8	40	131				
Phenol	3.497	0.38	3.809		91.8	40.7	120				
Pyrene	3.850	0.38	3.809		101	48.1	123				
Surr: 2,4,6-Tribromophenol	4.687	0	3.809		123	46.9	137				
Surr: 2-Fluorobiphenyl	1.866	0	1.905		98.0	50	115				
Surr: 2-Fluorophenol	3.412	0	3.809		89.6	41.2	105				
Surr: 4-Terphenyl-d14	2.135	0	1.905		112	51.9	126				
Surr: Nitrobenzene-d5	1.686	0	1.905		88.5	40.2	113				
Surr: Phenol-d5	3.468	0	3.809		91.0	45	109				

Sample ID: **1703M82-008BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **mg/Kg-dry** Prep Date: **03/29/2017** Run No: **339615**
BatchID: **240177** Analysis Date: **03/30/2017** Seq No: **7430060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.711	0.38	3.809		97.4	50.1	100	3.496	5.96	25.9	
4-Chloro-3-methylphenol	3.936	0.38	3.809		103	53.8	120	3.595	9.05	25	
Acenaphthene	3.860	0.38	3.809		101	51.1	120	3.622	6.35	25.9	
Pentachlorophenol	3.897	1.9	3.809		102	40	131	3.534	9.79	48.3	
Phenol	3.669	0.38	3.809		96.3	40.7	120	3.497	4.81	28.7	
Pyrene	3.856	0.38	3.809		101	48.1	123	3.850	0.148	23.9	
Surr: 2,4,6-Tribromophenol	5.072	0	3.809		133	46.9	137	4.687	0	0	
Surr: 2-Fluorobiphenyl	1.971	0	1.905		103	50	115	1.866	0	0	
Surr: 2-Fluorophenol	3.535	0	3.809		92.8	41.2	105	3.412	0	0	
Surr: 4-Terphenyl-d14	2.122	0	1.905		111	51.9	126	2.135	0	0	
Surr: Nitrobenzene-d5	1.791	0	1.905		94.0	40.2	113	1.686	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240177

Sample ID: **1703M82-008BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **mg/Kg-dry** Prep Date: **03/29/2017** Run No: **339615**
BatchID: **240177** Analysis Date: **03/30/2017** Seq No: **7430060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3.648	0	3.809		95.8	45	109	3.468	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240189

Sample ID: **MB-240189**	Client ID:				Units: **mg/Kg**		Prep Date: **03/30/2017**		Run No: **339681**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240189**		Analysis Date: **03/30/2017**		Seq No: **7429542**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-240189**	Client ID:				Units: **mg/Kg**		Prep Date: **03/30/2017**		Run No: **339681**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240189**		Analysis Date: **03/30/2017**		Seq No: **7429543**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3482	0.100	0.4000		87.0	80	120				

Sample ID: **1703M82-008CMS**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **03/30/2017**		Run No: **339681**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240189**		Analysis Date: **03/30/2017**		Seq No: **7429545**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4043	0.106	0.4256	0.01932	90.5	70	130				

Sample ID: **1703M82-008CMSD**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **03/30/2017**		Run No: **339681**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240189**		Analysis Date: **03/30/2017**		Seq No: **7429546**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4073	0.107	0.4280	0.01932	90.6	70	130	0.4043	0.726	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240197

Sample ID: **MB-240197** Client ID: Units: **ug/Kg** Prep Date: **03/29/2017** Run No: **339482**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240197** Analysis Date: **03/29/2017** Seq No: **7424333**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	49.49	0	50.00		99.0	63	125				
Surr: Dibromofluoromethane	47.86	0	50.00		95.7	69.9	123				
Surr: Toluene-d8	45.89	0	50.00		91.8	70	122				

Sample ID: **LCS-240197** Client ID: Units: **ug/Kg** Prep Date: **03/29/2017** Run No: **339482**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240197** Analysis Date: **03/29/2017** Seq No: **7424332**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.19	5.0	50.00		84.4	62	142				
Benzene	47.64	5.0	50.00		95.3	70.2	131				
Toluene	44.48	5.0	50.00		89.0	70.6	131				
Trichloroethene	47.47	5.0	50.00		94.9	70.1	136				
Surr: 4-Bromofluorobenzene	46.65	0	50.00		93.3	63	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240197

Sample ID: **LCS-240197** Client ID: Units: **ug/Kg** Prep Date: **03/29/2017** Run No: **339482**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240197** Analysis Date: **03/29/2017** Seq No: **7424332**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	44.85	0	50.00		89.7	69.9	123				
Surr: Toluene-d8	46.71	0	50.00		93.4	70	122				

Sample ID: **1703M79-002AMS** Client ID: **TMW-1-2'** Units: **mg/Kg-dry** Prep Date: **03/29/2017** Run No: **339482**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240197** Analysis Date: **03/29/2017** Seq No: **7426650**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04248	0.0060	0.0599		70.9	55	143				
Benzene	0.05161	0.0060	0.0599		86.2	68.5	128				
Toluene	0.04653	0.0060	0.0599		77.7	66.9	128				
Trichloroethene	0.04941	0.0060	0.0599		82.5	60.7	133				
Surr: 4-Bromofluorobenzene	0.05441	0	0.0599		90.9	63	125				
Surr: Dibromofluoromethane	0.05246	0	0.0599		87.6	69.9	123				
Surr: Toluene-d8	0.05468	0	0.0599		91.3	70	122				

Sample ID: **1703M79-002AMSD** Client ID: **TMW-1-2'** Units: **mg/Kg-dry** Prep Date: **03/29/2017** Run No: **339482**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240197** Analysis Date: **03/29/2017** Seq No: **7426651**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04406	0.0060	0.0599		73.6	55	143	0.04248	3.65	19.3	
Benzene	0.05475	0.0060	0.0599		91.4	68.5	128	0.05161	5.90	20	
Toluene	0.05157	0.0060	0.0599		86.1	66.9	128	0.04653	10.3	20	
Trichloroethene	0.05148	0.0060	0.0599		86.0	60.7	133	0.04941	4.11	20	
Surr: 4-Bromofluorobenzene	0.05396	0	0.0599		90.1	63	125	0.05441	0	0	
Surr: Dibromofluoromethane	0.05083	0	0.0599		84.9	69.9	123	0.05246	0	0	
Surr: Toluene-d8	0.05764	0	0.0599		96.2	70	122	0.05468	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240291

Sample ID: **MB-240291**	Client ID:				Units: **mg/Kg**		Prep Date: **03/30/2017**		Run No: **339686**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240291**		Analysis Date: **03/30/2017**		Seq No: **7432196**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-240291**	Client ID:				Units: **mg/Kg**		Prep Date: **03/30/2017**		Run No: **339686**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240291**		Analysis Date: **03/30/2017**		Seq No: **7432197**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3991	0.100	0.4000	0.03824	90.2	80	120				

Sample ID: **1703M79-012CMS**	Client ID: **TMW-8-(0-1')**				Units: **mg/Kg-dry**		Prep Date: **03/30/2017**		Run No: **339686**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240291**		Analysis Date: **03/30/2017**		Seq No: **7432203**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5713	0.129	0.5179	0.09323	92.3	70	130				

Sample ID: **1703M79-012CMSD**	Client ID: **TMW-8-(0-1')**				Units: **mg/Kg-dry**		Prep Date: **03/30/2017**		Run No: **339686**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **240291**		Analysis Date: **03/30/2017**		Seq No: **7432208**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5726	0.129	0.5159	0.09323	92.9	70	130	0.5713	0.231	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240295

Sample ID: **MB-240295** Client ID: Units: **ug/Kg** Prep Date: **03/30/2017** Run No: **339649**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240295** Analysis Date: **03/30/2017** Seq No: **7428157**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	45.75	0	50.00		91.5	63	125				
Surr: Dibromofluoromethane	44.81	0	50.00		89.6	69.9	123				
Surr: Toluene-d8	47.50	0	50.00		95.0	70	122				

Sample ID: **LCS-240295** Client ID: Units: **ug/Kg** Prep Date: **03/30/2017** Run No: **339649**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240295** Analysis Date: **03/30/2017** Seq No: **7428156**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.49	5.0	50.00		85.0	62	142				
Benzene	48.17	5.0	50.00		96.3	70.2	131				
Toluene	44.93	5.0	50.00		89.9	70.6	131				
Trichloroethene	48.04	5.0	50.00		96.1	70.1	136				
Surr: 4-Bromofluorobenzene	45.45	0	50.00		90.9	63	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240295

Sample ID: **LCS-240295** Client ID: Units: **ug/Kg** Prep Date: **03/30/2017** Run No: **339649**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240295** Analysis Date: **03/30/2017** Seq No: **7428156**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	45.22	0	50.00		90.4	69.9	123				
Surr: Toluene-d8	46.81	0	50.00		93.6	70	122				

Sample ID: **1703M79-009AMS** Client ID: **TMW-6-2'** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339649**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240295** Analysis Date: **03/30/2017** Seq No: **7429763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.09426	0.0098	0.0979		96.3	55	143				
Benzene	0.1053	0.0098	0.0979		108	68.5	128				
Toluene	0.1003	0.0098	0.0979		102	66.9	128				
Trichloroethene	0.1078	0.0098	0.0979		110	60.7	133				
Surr: 4-Bromofluorobenzene	0.08726	0	0.0979		89.1	63	125				
Surr: Dibromofluoromethane	0.08871	0	0.0979		90.6	69.9	123				
Surr: Toluene-d8	0.09672	0	0.0979		98.8	70	122				

Sample ID: **1703M79-009AMSD** Client ID: **TMW-6-2'** Units: **mg/Kg-dry** Prep Date: **03/30/2017** Run No: **339649**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240295** Analysis Date: **03/30/2017** Seq No: **7429764**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.08826	0.0098	0.0979		90.1	55	143	0.09426	6.57	19.3	
Benzene	0.09915	0.0098	0.0979		101	68.5	128	0.1053	6.00	20	
Toluene	0.09134	0.0098	0.0979		93.3	66.9	128	0.1003	9.36	20	
Trichloroethene	0.09641	0.0098	0.0979		98.5	60.7	133	0.1078	11.2	20	
Surr: 4-Bromofluorobenzene	0.08531	0	0.0979		87.1	63	125	0.08726	0	0	
Surr: Dibromofluoromethane	0.08656	0	0.0979		88.4	69.9	123	0.08871	0	0	
Surr: Toluene-d8	0.09200	0	0.0979		94.0	70	122	0.09672	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240312

Sample ID: **MB-240312** Client ID: Units: **mg/Kg** Prep Date: **03/31/2017** Run No: **339860**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **240312** Analysis Date: **03/31/2017** Seq No: **7434517**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	50.0									
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Lead	BRL	5.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-240312** Client ID: Units: **mg/Kg** Prep Date: **03/31/2017** Run No: **339860**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240312** Analysis Date: **03/31/2017** Seq No: **7434518**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	462.0	50.0	500.0	0.7245	92.3	80	120				
Arsenic	45.16	5.00	50.00		90.3	80	120				
Barium	47.30	5.00	50.00		94.6	80	120				
Cadmium	45.71	2.50	50.00		91.4	80	120				
Chromium	48.43	2.50	50.00	0.1295	96.6	80	120				
Cobalt	47.47	2.50	50.00		94.9	80	120				
Copper	48.19	2.50	50.00		96.4	80	120				
Lead	45.97	5.00	50.00		91.9	80	120				
Nickel	46.64	5.00	50.00		93.3	80	120				
Selenium	41.31	5.00	50.00		82.6	80	120				
Vanadium	48.29	5.00	50.00		96.6	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240312

Sample ID: **LCS-240312**	Client ID:			Units: **mg/Kg**	Prep Date: **03/31/2017**	Run No: **339860**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **240312**	Analysis Date: **03/31/2017**	Seq No: **7434518**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	45.69	5.00	50.00		91.4	80	120				

Sample ID: **1703N78-005CMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/31/2017**	Run No: **339860**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **240312**	Analysis Date: **03/31/2017**	Seq No: **7434524**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	19280	54.6	546.1	17680	293	75	125				S
Arsenic	53.66	5.46	54.61	7.561	84.4	75	125				
Barium	120.3	5.46	54.61	70.42	91.4	75	125				
Cadmium	48.70	2.73	54.61	0.3918	88.5	75	125				
Chromium	77.17	2.73	54.61	23.34	98.6	75	125				
Cobalt	60.09	2.73	54.61	11.46	89.1	75	125				
Copper	104.4	2.73	54.61	49.59	100	75	125				
Lead	54.90	5.46	54.61	8.830	84.4	75	125				
Nickel	54.30	5.46	54.61	8.405	84.1	75	125				
Selenium	33.27	5.46	54.61		60.9	75	125				S
Vanadium	129.6	5.46	54.61	77.45	95.5	75	125				
Zinc	128.7	5.46	54.61	82.34	85.0	75	125				

Sample ID: **1703N78-005CMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/31/2017**	Run No: **339860**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **240312**	Analysis Date: **03/31/2017**	Seq No: **7434528**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	19560	55.0	549.9	17680	342	75	125	19280	1.45	20	S
Arsenic	53.87	5.50	54.99	7.561	84.2	75	125	53.66	0.392	20	
Barium	125.5	5.50	54.99	70.42	100	75	125	120.3	4.25	20	
Cadmium	49.82	2.75	54.99	0.3918	89.9	75	125	48.70	2.27	20	
Chromium	73.29	2.75	54.99	23.34	90.8	75	125	77.17	5.15	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240312

Sample ID: **1703N78-005CMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D**
Units: **mg/Kg-dry** Prep Date: **03/31/2017** Run No: **339860**
BatchID: **240312** Analysis Date: **03/31/2017** Seq No: **7434528**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	68.59	2.75	54.99	11.46	104	75	125	60.09	13.2	20	
Copper	107.6	2.75	54.99	49.59	105	75	125	104.4	2.94	20	
Lead	57.03	5.50	54.99	8.830	87.7	75	125	54.90	3.81	20	
Nickel	55.50	5.50	54.99	8.405	85.6	75	125	54.30	2.18	20	
Selenium	34.93	5.50	54.99		63.5	75	125	33.27	4.86	20	S
Vanadium	132.3	5.50	54.99	77.45	99.7	75	125	129.6	2.08	20	
Zinc	130.7	5.50	54.99	82.34	88.0	75	125	128.7	1.53	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240377

Sample ID: **MB-240377**	Client ID:				Units: **mg/L**		Prep Date: **03/31/2017**		Run No: **339782**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **240377**		Analysis Date: **03/31/2017**		Seq No: **7432358**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-240377**	Client ID:				Units: **mg/L**		Prep Date: **03/31/2017**		Run No: **339782**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **240377**		Analysis Date: **03/31/2017**		Seq No: **7432359**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004627	0.00020	0.0050	0.00007088	91.1	80	120				

Sample ID: **1703M49-003CMS**	Client ID:				Units: **mg/L**		Prep Date: **03/31/2017**		Run No: **339782**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **240377**		Analysis Date: **03/31/2017**		Seq No: **7432361**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004501	0.00020	0.0050	0.00008262	88.4	70	130				

Sample ID: **1703M49-003CMSD**	Client ID:				Units: **mg/L**		Prep Date: **03/31/2017**		Run No: **339782**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **240377**		Analysis Date: **03/31/2017**		Seq No: **7432362**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004639	0.00020	0.0050	0.00008262	91.1	70	130	0.004501	3.03	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240385

Sample ID: **MB-240385** Client ID: Units: **ug/L** Prep Date: **03/30/2017** Run No: **339713**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240385** Analysis Date: **03/30/2017** Seq No: **7430462**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	40.63	0	50.00		81.3	66.1	129				
Surr: Dibromofluoromethane	50.54	0	50.00		101	83.6	123				
Surr: Toluene-d8	47.89	0	50.00		95.8	81.8	118				

Sample ID: **LCS-240385** Client ID: Units: **ug/L** Prep Date: **03/30/2017** Run No: **339713**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240385** Analysis Date: **03/30/2017** Seq No: **7430463**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.69	5.0	50.00		101	68	139				
Benzene	46.45	5.0	50.00		92.9	74	125				
Toluene	46.99	5.0	50.00		94.0	75.9	126				
Trichloroethene	44.58	5.0	50.00		89.2	70.6	129				
Surr: 4-Bromofluorobenzene	41.85	0	50.00		83.7	66.1	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703M79

ANALYTICAL QC SUMMARY REPORT

BatchID: 240385

Sample ID: **LCS-240385** Client ID: Units: **ug/L** Prep Date: **03/30/2017** Run No: **339713**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240385** Analysis Date: **03/30/2017** Seq No: **7430463**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.55	0	50.00		103	83.6	123				
Surr: Toluene-d8	49.42	0	50.00		98.8	81.8	118				

Sample ID: **1703M49-001AMS** Client ID: Units: **ug/L** Prep Date: **03/30/2017** Run No: **339713**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240385** Analysis Date: **03/30/2017** Seq No: **7430469**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.94	5.0	50.00		108	64.3	149				
Benzene	45.63	5.0	50.00		91.3	71.6	132				
Toluene	46.88	5.0	50.00		93.8	72.5	135				
Trichloroethene	44.81	5.0	50.00		89.6	70.2	132				
Surr: 4-Bromofluorobenzene	39.49	0	50.00		79.0	66.1	129				
Surr: Dibromofluoromethane	53.90	0	50.00		108	83.6	123				
Surr: Toluene-d8	49.91	0	50.00		99.8	81.8	118				

Sample ID: **1703M49-001AMSD** Client ID: Units: **ug/L** Prep Date: **03/30/2017** Run No: **339713**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **240385** Analysis Date: **03/30/2017** Seq No: **7430470**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	52.15	5.0	50.00		104	64.3	149	53.94	3.37	30.8	
Benzene	45.22	5.0	50.00		90.4	71.6	132	45.63	0.903	20.7	
Toluene	45.42	5.0	50.00		90.8	72.5	135	46.88	3.16	23.2	
Trichloroethene	43.85	5.0	50.00		87.7	70.2	132	44.81	2.17	27.7	
Surr: 4-Bromofluorobenzene	39.60	0	50.00		79.2	66.1	129	39.49	0	0	
Surr: Dibromofluoromethane	54.00	0	50.00		108	83.6	123	53.90	0	0	
Surr: Toluene-d8	49.41	0	50.00		98.8	81.8	118	49.91	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 07, 2017

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1703Q27

Analytical Environmental Services, Inc. received 22 samples on 3/29/2017 5:43:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1703027

Date: 3/29/17 Page 1 of 2

COMPANY	ADDRESS
Envirorisk Consultants, Inc.	5335 Madison Ave Monroe, Georgia
PHONE: 678-635-7360	FAX: 678-635-7380
SAMPLED BY: Jason Chappell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260 *	8270 *	TOTAL METALS *#	DISSOLVED METALS *#	No # of Containers
1	TMW-1	3/29/17	1250	✓		GW	✓	✓			5
2	TMW-2	3/29/17	1205	✓		GW	✓	✓			5
3	TMW-3	3/29/17	1105	✓		GW	✓	✓			5
4	TMW-4	3/29/17	1325	✓		GW	✓	✓		✓	5
5	TMW-5	3/29/17	840	✓		GW	✓	✓		✓	5
6	TMW-6	3/28/17	1620	✓		GW	✓	✓			5
7	TMW-7	3/28/17	1530	✓		GW	✓	✓			5
8	TMW-8	3/28/17	955	✓		GW	✓	✓			5
9	TMW-9	3/29/17	820	✓		GW	✓	✓		✓	5
10	TMW-10	3/29/17	830	✓		GW	✓	✓		✓	5
11	TMW-11	3/29/17	940	✓		GW	✓	✓			5
12	TMW-12	3/28/17	1335	✓		GW	✓	✓			5
13	TMW-13	3/28/17	1235	✓		GW	✓	✓			5
14	TMW-14	3/28/17	1120	✓		GW	✓	✓			5

PRESERVATION (See codes)

REMARKS

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/29/17 1743	1: Maja	3/29/17 5:43p
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC Meredith
PROJECT #: ER-437
SITE ADDRESS: EAST POINT GEORGIA
SEND REPORT TO: Ken Sammerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ✓ Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
* Site specific
#- metals - Aluminum, Arsenic, Barium Cadmium, Chromium, Cobalt, Copper, Lead Mercury, Nickel, Selenium, Vanadium, Zinc

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1703027

Date: 3/29/17 Page 2 of 2

COMPANY: Environside Consultants, Inc.

ADDRESS: 533 S. Medison Ave. East Point, Georgia

PHONE: 678-635-7360

FAX: 678-635-7380

SAMPLED BY: Jason Chappell

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	B260*	B270*	TOTAL METALS**	No # of Containers
	PRESERVATION (See codes)						H+I	I	S+I	
1	TMW-15	3/27/17	1735	✓		GW	✓	✓	✓	5
2	TMW-16	3/27/17	1605	✓		GW	✓	✓	✓	5
3	Dup-1	3/28/17	—	✓		GW	✓	✓	✓	5
4	EB-2	3/29/17	1600	✓		W	✓	✓	✓	5
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

RELINQUISHED BY: DATE/TIME:
1: 3/29/17 1743
2:
3:

RECEIVED BY: DATE/TIME:
1: 3/29/17 5:43P
2:
3:

SPECIAL INSTRUCTIONS/COMMENTS:
* - SITE SPECIFIC
** - METALS - Aluminum, Arsenic, Barium Cadmium, chromium, Cobalt, Copper, Lead Nickel, Selenium, Vanadium, Zinc Mercury

SHIPMENT METHOD:
OUT / /
IN / /
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: WC Meredith
PROJECT #: ENL-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: Ken Summerour
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 7-Apr-17

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1703Q27

Case Narrative

Sample Receiving Non-conformance:

Samples 1703Q27-001, -002, -003, -006, -007, -008, -011, -012, -013, and -014 were received with an HNO3 plastic preserved bottle, but Total Metals was not marked for analysis on the Chain of Custody. Per Jason Chappell with Envirorisk Consultants via phone call on 3/30/17, all samples were analyzed for the Total Metals requested in the special instructions/comments section on the Chain of Custody.

Four Trip Blanks were provided but not listed on the Chain of Custody. All four Trip blanks were analyzed at no cost to the client.

Semi-Volatile Organics Analysis by Method 8270D:

Due to sample matrix, sample 1703Q27-003B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 12:50:00 PM
Lab ID:	1703Q27-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 01:21	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 01:21	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 01:21	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 01:21	NP
Surr: 4-Bromofluorobenzene	80	66.1-129		%REC	240550	1	04/04/2017 01:21	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	240550	1	04/04/2017 01:21	NP
Surr: Toluene-d8	102	81.8-118		%REC	240550	1	04/04/2017 01:21	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 18:55	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Acenaphthene	33	10		ug/L	240354	1	04/03/2017 18:55	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-1
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 12:50:00 PM
Lab ID:	1703Q27-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Naphthalene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 18:55	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 18:55	YH
Surr: 2,4,6-Tribromophenol	122	50-142		%REC	240354	1	04/03/2017 18:55	YH
Surr: 2-Fluorobiphenyl	92.4	46-124		%REC	240354	1	04/03/2017 18:55	YH
Surr: 2-Fluorophenol	32	25.3-120		%REC	240354	1	04/03/2017 18:55	YH
Surr: 4-Terphenyl-d14	96.7	45.1-133		%REC	240354	1	04/03/2017 18:55	YH
Surr: Nitrobenzene-d5	77.8	40.1-121		%REC	240354	1	04/03/2017 18:55	YH
Surr: Phenol-d5	19.3	16.3-120		%REC	240354	1	04/03/2017 18:55	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/04/2017 16:37	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:23	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:10	IO
Barium	0.146	0.0200		mg/L	240455	1	04/06/2017 00:10	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:10	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:10	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:10	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:10	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:10	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:10	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:10	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:10	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 00:10	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 12:05:00 PM
Lab ID:	1703Q27-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 02:37	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 02:37	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 02:37	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 02:37	NP
Surr: 4-Bromofluorobenzene	79	66.1-129		%REC	240550	1	04/04/2017 02:37	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	240550	1	04/04/2017 02:37	NP
Surr: Toluene-d8	102	81.8-118		%REC	240550	1	04/04/2017 02:37	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 19:20	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-2
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 12:05:00 PM
Lab ID:	1703Q27-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Naphthalene	19	10		ug/L	240354	1	04/03/2017 19:20	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 19:20	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:20	YH
Surr: 2,4,6-Tribromophenol	107	50-142		%REC	240354	1	04/03/2017 19:20	YH
Surr: 2-Fluorobiphenyl	82.7	46-124		%REC	240354	1	04/03/2017 19:20	YH
Surr: 2-Fluorophenol	29.7	25.3-120		%REC	240354	1	04/03/2017 19:20	YH
Surr: 4-Terphenyl-d14	90.8	45.1-133		%REC	240354	1	04/03/2017 19:20	YH
Surr: Nitrobenzene-d5	71.6	40.1-121		%REC	240354	1	04/03/2017 19:20	YH
Surr: Phenol-d5	17.4	16.3-120		%REC	240354	1	04/03/2017 19:20	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/04/2017 17:11	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	1.08	0.200		mg/L	240455	1	04/06/2017 13:27	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:14	IO
Barium	0.0397	0.0200		mg/L	240455	1	04/06/2017 00:14	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:14	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:14	IO
Cobalt	0.0223	0.0200		mg/L	240455	1	04/06/2017 00:14	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:14	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:14	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:14	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:14	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:14	IO
Zinc	0.0519	0.0200		mg/L	240455	1	04/06/2017 00:14	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-3
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 11:05:00 AM
Lab ID:	1703Q27-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	1.6	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 03:03	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 03:03	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Benzene	4.4	1.0		ug/L	240550	1	04/04/2017 03:03	NP
1,2-Dichloroethane	14	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Tetrachloroethene	2.8	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 03:03	NP
o-Xylene	3.5	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:03	NP
1,2,4-Trimethylbenzene	2.0	1.0		ug/L	240550	1	04/04/2017 03:03	NP
Surr: 4-Bromofluorobenzene	84	66.1-129		%REC	240550	1	04/04/2017 03:03	NP
Surr: Dibromofluoromethane	109	83.6-123		%REC	240550	1	04/04/2017 03:03	NP
Surr: Toluene-d8	99.2	81.8-118		%REC	240550	1	04/04/2017 03:03	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	18	10		ug/L	240354	1	04/03/2017 19:47	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 19:47	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Dibenzofuran	15	10		ug/L	240354	1	04/03/2017 19:47	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-3
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 11:05:00 AM
Lab ID:	1703Q27-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Naphthalene	1300	100		ug/L	240354	10	04/05/2017 12:20	YH
Pentachlorophenol	220	50		ug/L	240354	2	04/05/2017 16:45	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 19:47	YH
Surr: 2,4,6-Tribromophenol	117	50-142		%REC	240354	1	04/03/2017 19:47	YH
Surr: 2-Fluorobiphenyl	89.2	46-124		%REC	240354	1	04/03/2017 19:47	YH
Surr: 2-Fluorophenol	24.5	25.3-120	S	%REC	240354	1	04/03/2017 19:47	YH
Surr: 4-Terphenyl-d14	80.7	45.1-133		%REC	240354	1	04/03/2017 19:47	YH
Surr: Nitrobenzene-d5	81.2	40.1-121		%REC	240354	1	04/03/2017 19:47	YH
Surr: Phenol-d5	14.8	16.3-120	S	%REC	240354	1	04/03/2017 19:47	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/04/2017 17:13	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 12:50	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/05/2017 23:37	IO
Barium	0.0415	0.0200		mg/L	240455	1	04/05/2017 23:37	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/05/2017 23:37	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/05/2017 23:37	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/05/2017 23:37	IO
Copper	BRL	0.0100		mg/L	240455	1	04/05/2017 23:37	IO
Lead	BRL	0.0100		mg/L	240455	1	04/05/2017 23:37	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/05/2017 23:37	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/05/2017 23:37	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/05/2017 23:37	IO
Zinc	0.0814	0.0200		mg/L	240455	1	04/05/2017 23:37	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-4
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 1:25:00 PM
Lab ID:	1703Q27-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 03:28	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 03:28	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Benzene	2.9	1.0		ug/L	240550	1	04/04/2017 03:28	NP
1,2-Dichloroethane	6.1	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 03:28	NP
o-Xylene	1.2	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:28	NP
Surr: 4-Bromofluorobenzene	83.4	66.1-129		%REC	240550	1	04/04/2017 03:28	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	240550	1	04/04/2017 03:28	NP
Surr: Toluene-d8	99.9	81.8-118		%REC	240550	1	04/04/2017 03:28	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	14	10		ug/L	240354	1	04/03/2017 20:13	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 20:13	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
2-Methylnaphthalene	15	10		ug/L	240354	1	04/03/2017 20:13	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Acenaphthene	15	10		ug/L	240354	1	04/03/2017 20:13	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Dibenzofuran	11	10		ug/L	240354	1	04/03/2017 20:13	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-4
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 1:25:00 PM
Lab ID:	1703Q27-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	18	10		ug/L	240354	1	04/03/2017 20:13	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Naphthalene	160	100		ug/L	240354	10	04/05/2017 12:46	YH
Pentachlorophenol	110	25		ug/L	240354	1	04/03/2017 20:13	YH
Phenanthrene	18	10		ug/L	240354	1	04/03/2017 20:13	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:13	YH
Surr: 2,4,6-Tribromophenol	125	50-142		%REC	240354	1	04/03/2017 20:13	YH
Surr: 2-Fluorobiphenyl	94.7	46-124		%REC	240354	1	04/03/2017 20:13	YH
Surr: 2-Fluorophenol	46.2	25.3-120		%REC	240354	1	04/03/2017 20:13	YH
Surr: 4-Terphenyl-d14	92.6	45.1-133		%REC	240354	1	04/03/2017 20:13	YH
Surr: Nitrobenzene-d5	83.1	40.1-121		%REC	240354	1	04/03/2017 20:13	YH
Surr: Phenol-d5	27.9	16.3-120		%REC	240354	1	04/03/2017 20:13	YH
METALS, DISSOLVED SW6010D				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	240459	1	04/04/2017 23:52	IO
Arsenic	BRL	0.0500		mg/L	240459	1	04/04/2017 23:52	IO
Barium	0.0934	0.0200		mg/L	240459	1	04/04/2017 23:52	IO
Cadmium	BRL	0.0050		mg/L	240459	1	04/04/2017 23:52	IO
Chromium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:52	IO
Cobalt	BRL	0.0200		mg/L	240459	1	04/04/2017 23:52	IO
Copper	BRL	0.0100		mg/L	240459	1	04/04/2017 23:52	IO
Lead	BRL	0.0100		mg/L	240459	1	04/04/2017 23:52	IO
Nickel	BRL	0.0200		mg/L	240459	1	04/04/2017 23:52	IO
Selenium	BRL	0.0200		mg/L	240459	1	04/04/2017 23:52	IO
Vanadium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:52	IO
Zinc	BRL	0.0200		mg/L	240459	1	04/04/2017 23:52	IO
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240508	1	04/05/2017 11:50	JR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-5
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:40:00 AM
Lab ID:	1703Q27-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 03:54	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 03:54	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Benzene	3.0	1.0		ug/L	240550	1	04/04/2017 03:54	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 03:54	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 03:54	NP
Surr: 4-Bromofluorobenzene	82	66.1-129		%REC	240550	1	04/04/2017 03:54	NP
Surr: Dibromofluoromethane	105	83.6-123		%REC	240550	1	04/04/2017 03:54	NP
Surr: Toluene-d8	98.8	81.8-118		%REC	240550	1	04/04/2017 03:54	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 20:38	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
2-Methylnaphthalene	51	10		ug/L	240354	1	04/03/2017 20:38	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Acenaphthene	33	10		ug/L	240354	1	04/03/2017 20:38	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Dibenzofuran	23	10		ug/L	240354	1	04/03/2017 20:38	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-5
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:40:00 AM
Lab ID:	1703Q27-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	30	10		ug/L	240354	1	04/03/2017 20:38	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Naphthalene	39	10		ug/L	240354	1	04/03/2017 20:38	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 20:38	YH
Phenanthrene	32	10		ug/L	240354	1	04/03/2017 20:38	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 20:38	YH
Surr: 2,4,6-Tribromophenol	113	50-142		%REC	240354	1	04/03/2017 20:38	YH
Surr: 2-Fluorobiphenyl	88.4	46-124		%REC	240354	1	04/03/2017 20:38	YH
Surr: 2-Fluorophenol	45.1	25.3-120		%REC	240354	1	04/03/2017 20:38	YH
Surr: 4-Terphenyl-d14	91.6	45.1-133		%REC	240354	1	04/03/2017 20:38	YH
Surr: Nitrobenzene-d5	75.2	40.1-121		%REC	240354	1	04/03/2017 20:38	YH
Surr: Phenol-d5	28.7	16.3-120		%REC	240354	1	04/03/2017 20:38	YH
METALS, DISSOLVED SW6010D				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	240459	1	04/04/2017 23:56	IO
Arsenic	BRL	0.0500		mg/L	240459	1	04/04/2017 23:56	IO
Barium	0.0848	0.0200		mg/L	240459	1	04/04/2017 23:56	IO
Cadmium	BRL	0.0050		mg/L	240459	1	04/04/2017 23:56	IO
Chromium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:56	IO
Cobalt	BRL	0.0200		mg/L	240459	1	04/04/2017 23:56	IO
Copper	BRL	0.0100		mg/L	240459	1	04/04/2017 23:56	IO
Lead	BRL	0.0100		mg/L	240459	1	04/04/2017 23:56	IO
Nickel	BRL	0.0200		mg/L	240459	1	04/04/2017 23:56	IO
Selenium	BRL	0.0200		mg/L	240459	1	04/04/2017 23:56	IO
Vanadium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:56	IO
Zinc	BRL	0.0200		mg/L	240459	1	04/04/2017 23:56	IO
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240508	1	04/05/2017 11:52	JR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 4:20:00 PM
Lab ID:	1703Q27-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 04:19	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 04:19	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 04:19	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:19	NP
Surr: 4-Bromofluorobenzene	81.3	66.1-129		%REC	240550	1	04/04/2017 04:19	NP
Surr: Dibromofluoromethane	104	83.6-123		%REC	240550	1	04/04/2017 04:19	NP
Surr: Toluene-d8	97.7	81.8-118		%REC	240550	1	04/04/2017 04:19	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 21:05	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-6
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 4:20:00 PM
Lab ID:	1703Q27-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Naphthalene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 21:05	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 21:05	YH
Surr: 2,4,6-Tribromophenol	111	50-142		%REC	240354	1	04/03/2017 21:05	YH
Surr: 2-Fluorobiphenyl	88.6	46-124		%REC	240354	1	04/03/2017 21:05	YH
Surr: 2-Fluorophenol	38.6	25.3-120		%REC	240354	1	04/03/2017 21:05	YH
Surr: 4-Terphenyl-d14	98.3	45.1-133		%REC	240354	1	04/03/2017 21:05	YH
Surr: Nitrobenzene-d5	76.1	40.1-121		%REC	240354	1	04/03/2017 21:05	YH
Surr: Phenol-d5	23.4	16.3-120		%REC	240354	1	04/03/2017 21:05	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 10:47	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:31	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:18	IO
Barium	0.0262	0.0200		mg/L	240455	1	04/06/2017 00:18	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:18	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:18	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:18	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:18	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:18	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:18	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:18	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:18	IO
Zinc	0.312	0.0200		mg/L	240455	1	04/06/2017 00:18	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 3:30:00 PM
Lab ID:	1703Q27-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	2.7	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 04:45	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 04:45	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
1,2-Dichloroethane	19	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Trichloroethene	1.4	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Tetrachloroethene	7.4	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 04:45	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 04:45	NP
Surr: 4-Bromofluorobenzene	84.4	66.1-129		%REC	240550	1	04/04/2017 04:45	NP
Surr: Dibromofluoromethane	106	83.6-123		%REC	240550	1	04/04/2017 04:45	NP
Surr: Toluene-d8	98.8	81.8-118		%REC	240550	1	04/04/2017 04:45	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 21:41	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
2-Methylnaphthalene	28	10		ug/L	240354	1	04/03/2017 21:41	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Acenaphthene	220	100		ug/L	240354	10	04/04/2017 14:57	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Anthracene	16	10		ug/L	240354	1	04/03/2017 21:41	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Carbazole	55	10		ug/L	240354	1	04/03/2017 21:41	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Dibenzofuran	120	10		ug/L	240354	1	04/03/2017 21:41	YH
Fluoranthene	36	10		ug/L	240354	1	04/03/2017 21:41	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-7
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 3:30:00 PM
Lab ID:	1703Q27-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3510C)**			
Fluorene	160	100		ug/L	240354	10	04/04/2017 14:57	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Naphthalene	22	10		ug/L	240354	1	04/03/2017 21:41	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 21:41	YH
Phenanthrene	190	100		ug/L	240354	10	04/04/2017 14:57	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 21:41	YH
Pyrene	17	10		ug/L	240354	1	04/03/2017 21:41	YH
Surr: 2,4,6-Tribromophenol	92.5	50-142		%REC	240354	1	04/03/2017 21:41	YH
Surr: 2-Fluorobiphenyl	79.3	46-124		%REC	240354	1	04/03/2017 21:41	YH
Surr: 2-Fluorophenol	41.7	25.3-120		%REC	240354	1	04/03/2017 21:41	YH
Surr: 4-Terphenyl-d14	81.1	45.1-133		%REC	240354	1	04/03/2017 21:41	YH
Surr: Nitrobenzene-d5	76.3	40.1-121		%REC	240354	1	04/03/2017 21:41	YH
Surr: Phenol-d5	24.8	16.3-120		%REC	240354	1	04/03/2017 21:41	YH
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 10:49	JR
METALS, TOTAL SW6010D					**(SW3010A)**			
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:34	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:21	IO
Barium	0.0563	0.0200		mg/L	240455	1	04/06/2017 00:21	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:21	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:21	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:21	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:21	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:21	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:21	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:21	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:21	IO
Zinc	0.0822	0.0200		mg/L	240455	1	04/06/2017 00:21	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 9:55:00 AM
Lab ID:	1703Q27-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 05:10	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 05:10	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 05:10	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:10	NP
Surr: 4-Bromofluorobenzene	83	66.1-129		%REC	240550	1	04/04/2017 05:10	NP
Surr: Dibromofluoromethane	106	83.6-123		%REC	240550	1	04/04/2017 05:10	NP
Surr: Toluene-d8	98.9	81.8-118		%REC	240550	1	04/04/2017 05:10	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 22:08	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-8
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 9:55:00 AM
Lab ID:	1703Q27-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Naphthalene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 22:08	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:08	YH
Surr: 2,4,6-Tribromophenol	87.5	50-142		%REC	240354	1	04/03/2017 22:08	YH
Surr: 2-Fluorobiphenyl	70	46-124		%REC	240354	1	04/03/2017 22:08	YH
Surr: 2-Fluorophenol	38.8	25.3-120		%REC	240354	1	04/03/2017 22:08	YH
Surr: 4-Terphenyl-d14	83.4	45.1-133		%REC	240354	1	04/03/2017 22:08	YH
Surr: Nitrobenzene-d5	63.3	40.1-121		%REC	240354	1	04/03/2017 22:08	YH
Surr: Phenol-d5	22.4	16.3-120		%REC	240354	1	04/03/2017 22:08	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 10:51	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:38	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:25	IO
Barium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:25	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:25	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:25	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:25	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:25	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:25	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:25	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:25	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:25	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 00:25	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-9
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:20:00 AM
Lab ID:	1703Q27-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	6.0	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 05:36	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 05:36	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
1,2-Dichloroethane	23	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Trichloroethene	1.2	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Tetrachloroethene	2.1	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 05:36	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 05:36	NP
1,3,5-Trimethylbenzene	3.1	1.0		ug/L	240550	1	04/04/2017 05:36	NP
1,2,4-Trimethylbenzene	3.9	1.0		ug/L	240550	1	04/04/2017 05:36	NP
Surr: 4-Bromofluorobenzene	81.1	66.1-129		%REC	240550	1	04/04/2017 05:36	NP
Surr: Dibromofluoromethane	109	83.6-123		%REC	240550	1	04/04/2017 05:36	NP
Surr: Toluene-d8	99.2	81.8-118		%REC	240550	1	04/04/2017 05:36	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 22:34	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
2-Methylnaphthalene	140	100		ug/L	240354	10	04/04/2017 15:23	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Acenaphthene	260	100		ug/L	240354	10	04/04/2017 15:23	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Carbazole	83	10		ug/L	240354	1	04/03/2017 22:34	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Dibenzofuran	98	10		ug/L	240354	1	04/03/2017 22:34	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-9
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:20:00 AM
Lab ID:	1703Q27-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	120	10		ug/L	240354	1	04/03/2017 22:34	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Naphthalene	800	100		ug/L	240354	10	04/04/2017 15:23	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 22:34	YH
Phenanthrene	90	10		ug/L	240354	1	04/03/2017 22:34	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:34	YH
Surr: 2,4,6-Tribromophenol	91.7	50-142		%REC	240354	1	04/03/2017 22:34	YH
Surr: 2-Fluorobiphenyl	81.4	46-124		%REC	240354	1	04/03/2017 22:34	YH
Surr: 2-Fluorophenol	38.5	25.3-120		%REC	240354	1	04/03/2017 22:34	YH
Surr: 4-Terphenyl-d14	84.9	45.1-133		%REC	240354	1	04/03/2017 22:34	YH
Surr: Nitrobenzene-d5	81.2	40.1-121		%REC	240354	1	04/03/2017 22:34	YH
Surr: Phenol-d5	23.1	16.3-120		%REC	240354	1	04/03/2017 22:34	YH
METALS, DISSOLVED SW6010D				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	240459	1	04/05/2017 00:07	IO
Arsenic	BRL	0.0500		mg/L	240459	1	04/05/2017 00:07	IO
Barium	0.0670	0.0200		mg/L	240459	1	04/05/2017 00:07	IO
Cadmium	BRL	0.0050		mg/L	240459	1	04/05/2017 00:07	IO
Chromium	BRL	0.0100		mg/L	240459	1	04/05/2017 00:07	IO
Cobalt	BRL	0.0200		mg/L	240459	1	04/05/2017 00:07	IO
Copper	BRL	0.0100		mg/L	240459	1	04/05/2017 00:07	IO
Lead	BRL	0.0100		mg/L	240459	1	04/05/2017 00:07	IO
Nickel	BRL	0.0200		mg/L	240459	1	04/05/2017 00:07	IO
Selenium	BRL	0.0200		mg/L	240459	1	04/05/2017 00:07	IO
Vanadium	BRL	0.0100		mg/L	240459	1	04/05/2017 00:07	IO
Zinc	0.146	0.0200		mg/L	240459	1	04/05/2017 00:07	IO
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	0.00042	0.00020		mg/L	240508	1	04/05/2017 11:30	JR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-10
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:30:00 AM
Lab ID:	1703Q27-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	1.0	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 06:01	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 06:01	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
1,2-Dichloroethane	9.1	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Tetrachloroethene	1.5	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 06:01	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:01	NP
Surr: 4-Bromofluorobenzene	85	66.1-129		%REC	240550	1	04/04/2017 06:01	NP
Surr: Dibromofluoromethane	102	83.6-123		%REC	240550	1	04/04/2017 06:01	NP
Surr: Toluene-d8	99.9	81.8-118		%REC	240550	1	04/04/2017 06:01	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 22:59	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-10
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 8:30:00 AM
Lab ID:	1703Q27-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Naphthalene	100	10		ug/L	240354	1	04/03/2017 22:59	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 22:59	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 22:59	YH
Surr: 2,4,6-Tribromophenol	93.2	50-142		%REC	240354	1	04/03/2017 22:59	YH
Surr: 2-Fluorobiphenyl	72.5	46-124		%REC	240354	1	04/03/2017 22:59	YH
Surr: 2-Fluorophenol	36.6	25.3-120		%REC	240354	1	04/03/2017 22:59	YH
Surr: 4-Terphenyl-d14	85.5	45.1-133		%REC	240354	1	04/03/2017 22:59	YH
Surr: Nitrobenzene-d5	66.8	40.1-121		%REC	240354	1	04/03/2017 22:59	YH
Surr: Phenol-d5	23.6	16.3-120		%REC	240354	1	04/03/2017 22:59	YH
METALS, DISSOLVED SW6010D				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	240459	1	04/04/2017 23:33	IO
Arsenic	BRL	0.0500		mg/L	240459	1	04/04/2017 23:33	IO
Barium	0.0701	0.0200		mg/L	240459	1	04/04/2017 23:33	IO
Cadmium	BRL	0.0050		mg/L	240459	1	04/04/2017 23:33	IO
Chromium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:33	IO
Cobalt	BRL	0.0200		mg/L	240459	1	04/04/2017 23:33	IO
Copper	BRL	0.0100		mg/L	240459	1	04/04/2017 23:33	IO
Lead	BRL	0.0100		mg/L	240459	1	04/04/2017 23:33	IO
Nickel	BRL	0.0200		mg/L	240459	1	04/04/2017 23:33	IO
Selenium	BRL	0.0200		mg/L	240459	1	04/04/2017 23:33	IO
Vanadium	BRL	0.0100		mg/L	240459	1	04/04/2017 23:33	IO
Zinc	BRL	0.0200		mg/L	240459	1	04/04/2017 23:33	IO
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240508	1	04/05/2017 11:54	JR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-11
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 9:40:00 AM
Lab ID:	1703Q27-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 06:26	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 06:26	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
1,2-Dichloroethane	2.8	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 06:26	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:26	NP
Surr: 4-Bromofluorobenzene	85.9	66.1-129		%REC	240550	1	04/04/2017 06:26	NP
Surr: Dibromofluoromethane	103	83.6-123		%REC	240550	1	04/04/2017 06:26	NP
Surr: Toluene-d8	97.5	81.8-118		%REC	240550	1	04/04/2017 06:26	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
2,4-Dimethylphenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
2,4-Dinitrophenol	BRL	25		ug/L	240480	1	04/04/2017 12:12	YH
2-Chlorophenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
2-Methylnaphthalene	34	10		ug/L	240480	1	04/04/2017 12:12	YH
2-Methylphenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
3,4-Methylphenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Acenaphthene	210	100		ug/L	240480	10	04/04/2017 16:50	YH
Acenaphthylene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Anthracene	12	10		ug/L	240480	1	04/04/2017 12:12	YH
Benz(a)anthracene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Benzo(a)pyrene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Carbazole	10	10		ug/L	240480	1	04/04/2017 12:12	YH
Chrysene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Dibenzofuran	120	10		ug/L	240480	1	04/04/2017 12:12	YH
Fluoranthene	26	10		ug/L	240480	1	04/04/2017 12:12	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-11
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 9:40:00 AM
Lab ID:	1703Q27-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	140	10		ug/L	240480	1	04/04/2017 12:12	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Naphthalene	12	10		ug/L	240480	1	04/04/2017 12:12	YH
Pentachlorophenol	BRL	25		ug/L	240480	1	04/04/2017 12:12	YH
Phenanthrene	120	10		ug/L	240480	1	04/04/2017 12:12	YH
Phenol	BRL	10		ug/L	240480	1	04/04/2017 12:12	YH
Pyrene	13	10		ug/L	240480	1	04/04/2017 12:12	YH
Surr: 2,4,6-Tribromophenol	109	50-142		%REC	240480	1	04/04/2017 12:12	YH
Surr: 2-Fluorobiphenyl	96.3	46-124		%REC	240480	1	04/04/2017 12:12	YH
Surr: 2-Fluorophenol	48.4	25.3-120		%REC	240480	1	04/04/2017 12:12	YH
Surr: 4-Terphenyl-d14	93.1	45.1-133		%REC	240480	1	04/04/2017 12:12	YH
Surr: Nitrobenzene-d5	89.3	40.1-121		%REC	240480	1	04/04/2017 12:12	YH
Surr: Phenol-d5	30.4	16.3-120		%REC	240480	1	04/04/2017 12:12	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 10:54	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:41	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:29	IO
Barium	0.105	0.0200		mg/L	240455	1	04/06/2017 00:29	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:29	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:29	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:29	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:29	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:29	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:29	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:29	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:29	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 00:29	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-12
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 1:35:00 PM
Lab ID:	1703Q27-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	2.6	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 06:52	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 06:52	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
1,2-Dichloroethane	6.7	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Tetrachloroethene	2.5	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 06:52	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 06:52	NP
1,3,5-Trimethylbenzene	1.2	1.0		ug/L	240550	1	04/04/2017 06:52	NP
1,2,4-Trimethylbenzene	1.1	1.0		ug/L	240550	1	04/04/2017 06:52	NP
Surr: 4-Bromofluorobenzene	84	66.1-129		%REC	240550	1	04/04/2017 06:52	NP
Surr: Dibromofluoromethane	104	83.6-123		%REC	240550	1	04/04/2017 06:52	NP
Surr: Toluene-d8	98.7	81.8-118		%REC	240550	1	04/04/2017 06:52	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 23:26	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Acenaphthene	66	10		ug/L	240354	1	04/03/2017 23:26	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Fluoranthene	46	10		ug/L	240354	1	04/03/2017 23:26	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-12
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 1:35:00 PM
Lab ID:	1703Q27-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Naphthalene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 23:26	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 23:26	YH
Pyrene	25	10		ug/L	240354	1	04/03/2017 23:26	YH
Surr: 2,4,6-Tribromophenol	94.8	50-142		%REC	240354	1	04/03/2017 23:26	YH
Surr: 2-Fluorobiphenyl	75.6	46-124		%REC	240354	1	04/03/2017 23:26	YH
Surr: 2-Fluorophenol	42.9	25.3-120		%REC	240354	1	04/03/2017 23:26	YH
Surr: 4-Terphenyl-d14	87.2	45.1-133		%REC	240354	1	04/03/2017 23:26	YH
Surr: Nitrobenzene-d5	74.8	40.1-121		%REC	240354	1	04/03/2017 23:26	YH
Surr: Phenol-d5	26.4	16.3-120		%REC	240354	1	04/03/2017 23:26	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 10:56	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	119	0.200		mg/L	240455	1	04/06/2017 13:45	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:32	IO
Barium	0.0414	0.0200		mg/L	240455	1	04/06/2017 00:32	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:32	IO
Chromium	0.0146	0.0100		mg/L	240455	1	04/06/2017 00:32	IO
Cobalt	0.292	0.0200		mg/L	240455	1	04/06/2017 00:32	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:32	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:32	IO
Nickel	0.119	0.0200		mg/L	240455	1	04/06/2017 00:32	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:32	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:32	IO
Zinc	0.202	0.0200		mg/L	240455	1	04/06/2017 00:32	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 12:35:00 PM
Lab ID:	1703Q27-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 07:18	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 07:18	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
1,2-Dichloroethane	4.7	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 07:18	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:18	NP
Surr: 4-Bromofluorobenzene	83.1	66.1-129		%REC	240550	1	04/04/2017 07:18	NP
Surr: Dibromofluoromethane	102	83.6-123		%REC	240550	1	04/04/2017 07:18	NP
Surr: Toluene-d8	98.5	81.8-118		%REC	240550	1	04/04/2017 07:18	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/03/2017 23:52	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Acenaphthene	280	100		ug/L	240354	10	04/04/2017 15:52	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Carbazole	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Chrysene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Dibenzofuran	67	10		ug/L	240354	1	04/03/2017 23:52	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-13
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 12:35:00 PM
Lab ID:	1703Q27-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	110	10		ug/L	240354	1	04/03/2017 23:52	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Naphthalene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/03/2017 23:52	YH
Phenanthrene	55	10		ug/L	240354	1	04/03/2017 23:52	YH
Phenol	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Pyrene	BRL	10		ug/L	240354	1	04/03/2017 23:52	YH
Surr: 2,4,6-Tribromophenol	89.3	50-142		%REC	240354	1	04/03/2017 23:52	YH
Surr: 2-Fluorobiphenyl	74.3	46-124		%REC	240354	1	04/03/2017 23:52	YH
Surr: 2-Fluorophenol	37.7	25.3-120		%REC	240354	1	04/03/2017 23:52	YH
Surr: 4-Terphenyl-d14	83.5	45.1-133		%REC	240354	1	04/03/2017 23:52	YH
Surr: Nitrobenzene-d5	72.6	40.1-121		%REC	240354	1	04/03/2017 23:52	YH
Surr: Phenol-d5	23.1	16.3-120		%REC	240354	1	04/03/2017 23:52	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00022	0.00020		mg/L	240499	1	04/05/2017 10:58	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	0.626	0.200		mg/L	240455	1	04/06/2017 13:56	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:43	IO
Barium	0.0734	0.0200		mg/L	240455	1	04/06/2017 13:56	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:43	IO
Chromium	0.0106	0.0100		mg/L	240455	1	04/06/2017 13:56	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:43	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:43	IO
Lead	0.0196	0.0100		mg/L	240455	1	04/06/2017 00:43	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:43	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:43	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:43	IO
Zinc	0.110	0.0200		mg/L	240455	1	04/06/2017 00:43	IO

Qualifiers:

- * Value exceeds maximum contaminant level
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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 11:20:00 AM
Lab ID:	1703Q27-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 07:43	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 07:43	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 07:43	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 07:43	NP
Surr: 4-Bromofluorobenzene	85.7	66.1-129		%REC	240550	1	04/04/2017 07:43	NP
Surr: Dibromofluoromethane	105	83.6-123		%REC	240550	1	04/04/2017 07:43	NP
Surr: Toluene-d8	100	81.8-118		%REC	240550	1	04/04/2017 07:43	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/04/2017 11:03	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Acenaphthene	23	10		ug/L	240354	1	04/04/2017 11:03	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Carbazole	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Chrysene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-14
Project Name:	WC Meredith	**Collection Date:**	3/28/2017 11:20:00 AM
Lab ID:	1703Q27-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Naphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/04/2017 11:03	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Phenol	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:03	YH
Surr: 2,4,6-Tribromophenol	86.5	50-142		%REC	240354	1	04/04/2017 11:03	YH
Surr: 2-Fluorobiphenyl	71	46-124		%REC	240354	1	04/04/2017 11:03	YH
Surr: 2-Fluorophenol	41.7	25.3-120		%REC	240354	1	04/04/2017 11:03	YH
Surr: 4-Terphenyl-d14	86	45.1-133		%REC	240354	1	04/04/2017 11:03	YH
Surr: Nitrobenzene-d5	74.3	40.1-121		%REC	240354	1	04/04/2017 11:03	YH
Surr: Phenol-d5	24.7	16.3-120		%REC	240354	1	04/04/2017 11:03	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 11:24	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 13:59	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:47	IO
Barium	0.124	0.0200		mg/L	240455	1	04/06/2017 13:59	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:47	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 13:59	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:47	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:47	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:47	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:47	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:47	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:47	IO
Zinc	0.0263	0.0200		mg/L	240455	1	04/06/2017 00:47	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15
Project Name:	WC Meredith	**Collection Date:**	3/27/2017 5:35:00 PM
Lab ID:	1703Q27-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	1.1	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 08:09	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 08:09	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
1,2-Dichloroethane	5.6	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Trichloroethene	1.3	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 08:09	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:09	NP
Surr: 4-Bromofluorobenzene	83.5	66.1-129		%REC	240550	1	04/04/2017 08:09	NP
Surr: Dibromofluoromethane	103	83.6-123		%REC	240550	1	04/04/2017 08:09	NP
Surr: Toluene-d8	99.2	81.8-118		%REC	240550	1	04/04/2017 08:09	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/04/2017 11:31	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Carbazole	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Chrysene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-15
Project Name:	WC Meredith	**Collection Date:**	3/27/2017 5:35:00 PM
Lab ID:	1703Q27-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Naphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/04/2017 11:31	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Phenol	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:31	YH
Surr: 2,4,6-Tribromophenol	90.3	50-142		%REC	240354	1	04/04/2017 11:31	YH
Surr: 2-Fluorobiphenyl	70.5	46-124		%REC	240354	1	04/04/2017 11:31	YH
Surr: 2-Fluorophenol	40.1	25.3-120		%REC	240354	1	04/04/2017 11:31	YH
Surr: 4-Terphenyl-d14	88	45.1-133		%REC	240354	1	04/04/2017 11:31	YH
Surr: Nitrobenzene-d5	74.4	40.1-121		%REC	240354	1	04/04/2017 11:31	YH
Surr: Phenol-d5	24.9	16.3-120		%REC	240354	1	04/04/2017 11:31	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00025	0.00020		mg/L	240499	1	04/05/2017 11:02	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	0.307	0.200		mg/L	240455	1	04/06/2017 14:03	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:51	IO
Barium	0.0481	0.0200		mg/L	240455	1	04/06/2017 14:03	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:51	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 14:03	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:51	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:51	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:51	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:51	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:51	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:51	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 00:51	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16
Project Name:	WC Meredith	**Collection Date:**	3/27/2017 4:05:00 PM
Lab ID:	1703Q27-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 08:34	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 08:34	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
1,2-Dichloroethane	1.7	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 08:34	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 08:34	NP
Surr: 4-Bromofluorobenzene	85.3	66.1-129		%REC	240550	1	04/04/2017 08:34	NP
Surr: Dibromofluoromethane	105	83.6-123		%REC	240550	1	04/04/2017 08:34	NP
Surr: Toluene-d8	99.3	81.8-118		%REC	240550	1	04/04/2017 08:34	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/04/2017 11:58	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Carbazole	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Chrysene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-16
Project Name:	WC Meredith	**Collection Date:**	3/27/2017 4:05:00 PM
Lab ID:	1703Q27-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Naphthalene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/04/2017 11:58	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Phenol	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Pyrene	BRL	10		ug/L	240354	1	04/04/2017 11:58	YH
Surr: 2,4,6-Tribromophenol	86.4	50-142		%REC	240354	1	04/04/2017 11:58	YH
Surr: 2-Fluorobiphenyl	69.6	46-124		%REC	240354	1	04/04/2017 11:58	YH
Surr: 2-Fluorophenol	39	25.3-120		%REC	240354	1	04/04/2017 11:58	YH
Surr: 4-Terphenyl-d14	85.1	45.1-133		%REC	240354	1	04/04/2017 11:58	YH
Surr: Nitrobenzene-d5	73.4	40.1-121		%REC	240354	1	04/04/2017 11:58	YH
Surr: Phenol-d5	23.2	16.3-120		%REC	240354	1	04/04/2017 11:58	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00023	0.00020		mg/L	240499	1	04/05/2017 11:05	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	0.581	0.200		mg/L	240455	1	04/06/2017 14:07	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:54	IO
Barium	0.0991	0.0200		mg/L	240455	1	04/06/2017 14:07	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:54	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 14:07	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:54	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:54	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:54	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:54	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:54	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:54	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 00:54	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	DUP-1
Project Name:	WC Meredith	**Collection Date:**	3/28/2017
Lab ID:	1703Q27-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	3.6	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 09:00	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 09:00	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
1,2-Dichloroethane	26	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Trichloroethene	1.8	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Tetrachloroethene	9.0	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 09:00	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 09:00	NP
Surr: 4-Bromofluorobenzene	80.7	66.1-129		%REC	240550	1	04/04/2017 09:00	NP
Surr: Dibromofluoromethane	106	83.6-123		%REC	240550	1	04/04/2017 09:00	NP
Surr: Toluene-d8	99.8	81.8-118		%REC	240550	1	04/04/2017 09:00	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/04/2017 12:25	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
2-Methylnaphthalene	24	10		ug/L	240354	1	04/04/2017 12:25	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Acenaphthene	220	100		ug/L	240354	10	04/04/2017 13:19	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Anthracene	13	10		ug/L	240354	1	04/04/2017 12:25	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Carbazole	54	10		ug/L	240354	1	04/04/2017 12:25	YH
Chrysene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Dibenzofuran	110	10		ug/L	240354	1	04/04/2017 12:25	YH
Fluoranthene	29	10		ug/L	240354	1	04/04/2017 12:25	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	DUP-1
Project Name:	WC Meredith	**Collection Date:**	3/28/2017
Lab ID:	1703Q27-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	140	10		ug/L	240354	1	04/04/2017 12:25	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Naphthalene	18	10		ug/L	240354	1	04/04/2017 12:25	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/04/2017 12:25	YH
Phenanthrene	200	100		ug/L	240354	10	04/04/2017 13:19	YH
Phenol	BRL	10		ug/L	240354	1	04/04/2017 12:25	YH
Pyrene	13	10		ug/L	240354	1	04/04/2017 12:25	YH
Surr: 2,4,6-Tribromophenol	88.1	50-142		%REC	240354	1	04/04/2017 12:25	YH
Surr: 2-Fluorobiphenyl	74.6	46-124		%REC	240354	1	04/04/2017 12:25	YH
Surr: 2-Fluorophenol	39.3	25.3-120		%REC	240354	1	04/04/2017 12:25	YH
Surr: 4-Terphenyl-d14	82.4	45.1-133		%REC	240354	1	04/04/2017 12:25	YH
Surr: Nitrobenzene-d5	77.1	40.1-121		%REC	240354	1	04/04/2017 12:25	YH
Surr: Phenol-d5	23	16.3-120		%REC	240354	1	04/04/2017 12:25	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00022	0.00020		mg/L	240499	1	04/05/2017 11:10	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 14:10	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 00:58	IO
Barium	0.0728	0.0200		mg/L	240455	1	04/06/2017 14:10	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 00:58	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 14:10	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 00:58	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 00:58	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 00:58	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 00:58	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 00:58	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 00:58	IO
Zinc	0.0845	0.0200		mg/L	240455	1	04/06/2017 00:58	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	EB-2
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 4:00:00 PM
Lab ID:	1703Q27-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Acetone	BRL	50		ug/L	240550	1	04/03/2017 23:13	NP
2-Butanone	BRL	50		ug/L	240550	1	04/03/2017 23:13	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Benzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Toluene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/03/2017 23:13	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Styrene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:13	NP
Surr: 4-Bromofluorobenzene	79.6	66.1-129		%REC	240550	1	04/03/2017 23:13	NP
Surr: Dibromofluoromethane	111	83.6-123		%REC	240550	1	04/03/2017 23:13	NP
Surr: Toluene-d8	102	81.8-118		%REC	240550	1	04/03/2017 23:13	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
2,4-Dimethylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
2,4-Dinitrophenol	BRL	25		ug/L	240354	1	04/04/2017 12:52	YH
2-Chlorophenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
2-Methylnaphthalene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
2-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
3,4-Methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Acenaphthene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Acenaphthylene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Anthracene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Benz(a)anthracene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Benzo(a)pyrene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Benzo(b)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Benzo(k)fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Carbazole	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Chrysene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Dibenzofuran	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Fluoranthene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	EB-2
Project Name:	WC Meredith	**Collection Date:**	3/29/2017 4:00:00 PM
Lab ID:	1703Q27-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Naphthalene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Pentachlorophenol	BRL	25		ug/L	240354	1	04/04/2017 12:52	YH
Phenanthrene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Phenol	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Pyrene	BRL	10		ug/L	240354	1	04/04/2017 12:52	YH
Surr: 2,4,6-Tribromophenol	83.7	50-142		%REC	240354	1	04/04/2017 12:52	YH
Surr: 2-Fluorobiphenyl	69.1	46-124		%REC	240354	1	04/04/2017 12:52	YH
Surr: 2-Fluorophenol	42.6	25.3-120		%REC	240354	1	04/04/2017 12:52	YH
Surr: 4-Terphenyl-d14	84.7	45.1-133		%REC	240354	1	04/04/2017 12:52	YH
Surr: Nitrobenzene-d5	75.6	40.1-121		%REC	240354	1	04/04/2017 12:52	YH
Surr: Phenol-d5	26	16.3-120		%REC	240354	1	04/04/2017 12:52	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	240499	1	04/05/2017 11:17	JR
METALS, TOTAL SW6010D				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	240455	1	04/06/2017 14:14	IO
Arsenic	BRL	0.0500		mg/L	240455	1	04/06/2017 01:02	IO
Barium	BRL	0.0200		mg/L	240455	1	04/06/2017 14:14	IO
Cadmium	BRL	0.0050		mg/L	240455	1	04/06/2017 01:02	IO
Chromium	BRL	0.0100		mg/L	240455	1	04/06/2017 14:14	IO
Cobalt	BRL	0.0200		mg/L	240455	1	04/06/2017 01:02	IO
Copper	BRL	0.0100		mg/L	240455	1	04/06/2017 01:02	IO
Lead	BRL	0.0100		mg/L	240455	1	04/06/2017 01:02	IO
Nickel	BRL	0.0200		mg/L	240455	1	04/06/2017 01:02	IO
Selenium	BRL	0.0200		mg/L	240455	1	04/06/2017 01:02	IO
Vanadium	BRL	0.0100		mg/L	240455	1	04/06/2017 01:02	IO
Zinc	BRL	0.0200		mg/L	240455	1	04/06/2017 01:02	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	3/29/2017
Lab ID:	1703Q27-019	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Acetone	BRL	50		ug/L	240550	1	04/03/2017 23:39	NP
2-Butanone	BRL	50		ug/L	240550	1	04/03/2017 23:39	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Benzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Toluene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/03/2017 23:39	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Styrene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/03/2017 23:39	NP
Surr: 4-Bromofluorobenzene	78.3	66.1-129		%REC	240550	1	04/03/2017 23:39	NP
Surr: Dibromofluoromethane	109	83.6-123		%REC	240550	1	04/03/2017 23:39	NP
Surr: Toluene-d8	99.1	81.8-118		%REC	240550	1	04/03/2017 23:39	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 2
Project Name:	WC Meredith	**Collection Date:**	3/29/2017
Lab ID:	1703Q27-020	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Acetone	BRL	50		ug/L	240550	1	04/04/2017 00:04	NP
2-Butanone	BRL	50		ug/L	240550	1	04/04/2017 00:04	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Benzene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Trichloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Toluene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Tetrachloroethene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Ethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
m,p-Xylene	BRL	2.0		ug/L	240550	1	04/04/2017 00:04	NP
o-Xylene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Styrene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240550	1	04/04/2017 00:04	NP
Surr: 4-Bromofluorobenzene	78.7	66.1-129		%REC	240550	1	04/04/2017 00:04	NP
Surr: Dibromofluoromethane	109	83.6-123		%REC	240550	1	04/04/2017 00:04	NP
Surr: Toluene-d8	100	81.8-118		%REC	240550	1	04/04/2017 00:04	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 3
Project Name:	WC Meredith	**Collection Date:**	3/29/2017
Lab ID:	1703Q27-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Acetone	BRL	50		ug/L	240402	1	04/04/2017 00:30	NP
2-Butanone	BRL	50		ug/L	240402	1	04/04/2017 00:30	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Benzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Trichloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Toluene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Tetrachloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Ethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
m,p-Xylene	BRL	2.0		ug/L	240402	1	04/04/2017 00:30	NP
o-Xylene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Styrene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:30	NP
Surr: 4-Bromofluorobenzene	80.7	66.1-129		%REC	240402	1	04/04/2017 00:30	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	240402	1	04/04/2017 00:30	NP
Surr: Toluene-d8	100	81.8-118		%REC	240402	1	04/04/2017 00:30	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 7-Apr-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 4
Project Name:	WC Meredith	**Collection Date:**	3/29/2017
Lab ID:	1703Q27-022	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Acetone	BRL	50		ug/L	240402	1	04/04/2017 00:55	NP
2-Butanone	BRL	50		ug/L	240402	1	04/04/2017 00:55	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Benzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
1,2-Dichloroethane	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Trichloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Toluene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Tetrachloroethene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Ethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
m,p-Xylene	BRL	2.0		ug/L	240402	1	04/04/2017 00:55	NP
o-Xylene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Styrene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	240402	1	04/04/2017 00:55	NP
Surr: 4-Bromofluorobenzene	77.8	66.1-129		%REC	240402	1	04/04/2017 00:55	NP
Surr: Dibromofluoromethane	114	83.6-123		%REC	240402	1	04/04/2017 00:55	NP
Surr: Toluene-d8	103	81.8-118		%REC	240402	1	04/04/2017 00:55	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-1				**Lab ID:** 1703Q27-001			
Collection Date: 3/29/2017 12:50:00 PM				**Matrix:** Groundwater			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	33		1.1	10	ug/L	240354	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.146		0.0031	0.0200	mg/L	240455	1
Client Sample ID: TMW-2				**Lab ID:** 1703Q27-002			
Collection Date: 3/29/2017 12:05:00 PM				**Matrix:** Groundwater			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Naphthalene	19		1.2	10	ug/L	240354	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Aluminum	1.08		0.0497	0.200	mg/L	240455	1
Barium	0.0397		0.0031	0.0200	mg/L	240455	1
Cobalt	0.0223		0.0028	0.0200	mg/L	240455	1
Zinc	0.0519		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-3				**Lab ID:** 1703Q27-003			
Collection Date: 3/29/2017 11:05:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	1.6		0.40	1.0	ug/L	240550	1
Benzene	4.4		0.37	1.0	ug/L	240550	1
1,2-Dichloroethane	14		0.37	1.0	ug/L	240550	1
Tetrachloroethene	2.8		0.46	1.0	ug/L	240550	1
o-Xylene	3.5		0.18	1.0	ug/L	240550	1
1,2,4-Trimethylbenzene	2.0		0.29	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	18		1.1	10	ug/L	240354	1
Dibenzofuran	15		1.1	10	ug/L	240354	1
Naphthalene	1300		12	100	ug/L	240354	10
Pentachlorophenol	220		1.2	50	ug/L	240354	2
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0415		0.0031	0.0200	mg/L	240455	1
Zinc	0.0814		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-4				**Lab ID:** 1703Q27-004			
Collection Date: 3/29/2017 1:25:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
Benzene	2.9		0.37	1.0	ug/L	240550	1
1,2-Dichloroethane	6.1		0.37	1.0	ug/L	240550	1
o-Xylene	1.2		0.18	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	14		1.1	10	ug/L	240354	1
2-Methylnaphthalene	15		1.2	10	ug/L	240354	1
Acenaphthene	15		1.1	10	ug/L	240354	1
Dibenzofuran	11		1.1	10	ug/L	240354	1
Fluorene	18		1.2	10	ug/L	240354	1
Naphthalene	160		12	100	ug/L	240354	10
Pentachlorophenol	110		0.62	25	ug/L	240354	1

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-4				**Lab ID:** 1703Q27-004			
Collection Date: 3/29/2017 1:25:00 PM				**Matrix:** Groundwater			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Phenanthrene	18		0.86	10	ug/L	240354	1
METALS, DISSOLVED SW6010D				**(SW3005A)**			
Barium	0.0934		0.0031	0.0200	mg/L	240459	1
Client Sample ID: TMW-5				**Lab ID:** 1703Q27-005			
Collection Date: 3/29/2017 8:40:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
Benzene	3.0		0.37	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2-Methylnaphthalene	51		1.2	10	ug/L	240354	1
Acenaphthene	33		1.1	10	ug/L	240354	1
Dibenzofuran	23		1.1	10	ug/L	240354	1
Fluorene	30		1.2	10	ug/L	240354	1
Naphthalene	39		1.2	10	ug/L	240354	1
Phenanthrene	32		0.86	10	ug/L	240354	1
METALS, DISSOLVED SW6010D				**(SW3005A)**			
Barium	0.0848		0.0031	0.0200	mg/L	240459	1
Client Sample ID: TMW-6				**Lab ID:** 1703Q27-006			
Collection Date: 3/28/2017 4:20:00 PM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0262		0.0031	0.0200	mg/L	240455	1
Zinc	0.312		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-7				**Lab ID:** 1703Q27-007			
Collection Date: 3/28/2017 3:30:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	2.7		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	19		0.37	1.0	ug/L	240550	1
Trichloroethene	1.4		0.30	1.0	ug/L	240550	1
Tetrachloroethene	7.4		0.46	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2-Methylnaphthalene	28		1.2	10	ug/L	240354	1
Acenaphthene	220		11	100	ug/L	240354	10
Anthracene	16		0.82	10	ug/L	240354	1
Carbazole	55		0.75	10	ug/L	240354	1
Dibenzofuran	120		1.1	10	ug/L	240354	1
Fluoranthene	36		1.0	10	ug/L	240354	1
Fluorene	160		12	100	ug/L	240354	10
Naphthalene	22		1.2	10	ug/L	240354	1
Phenanthrene	190		8.6	100	ug/L	240354	10
Pyrene	17		0.83	10	ug/L	240354	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0563		0.0031	0.0200	mg/L	240455	1
Zinc	0.0822		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-9				**Lab ID:** 1703Q27-009			

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Collection Date: 3/29/2017 8:20:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	6.0		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	23		0.37	1.0	ug/L	240550	1
Trichloroethene	1.2		0.30	1.0	ug/L	240550	1
Tetrachloroethene	2.1		0.46	1.0	ug/L	240550	1
1,3,5-Trimethylbenzene	3.1		0.40	1.0	ug/L	240550	1
1,2,4-Trimethylbenzene	3.9		0.29	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2-Methylnaphthalene	140		12	100	ug/L	240354	10
Acenaphthene	260		11	100	ug/L	240354	10
Carbazole	83		0.75	10	ug/L	240354	1
Dibenzofuran	98		1.1	10	ug/L	240354	1
Fluorene	120		1.2	10	ug/L	240354	1
Naphthalene	800		12	100	ug/L	240354	10
Phenanthrene	90		0.86	10	ug/L	240354	1
METALS, DISSOLVED SW6010D				**(SW3005A)**			
Barium	0.0670		0.0031	0.0200	mg/L	240459	1
Zinc	0.146		0.0057	0.0200	mg/L	240459	1
Mercury, Dissolved SW7470A				**(SW7470A)**			
Mercury	0.00042		0.00006	0.00020	mg/L	240508	1
Client Sample ID: TMW-10				**Lab ID:** 1703Q27-010			
Collection Date: 3/29/2017 8:30:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	1.0		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	9.1		0.37	1.0	ug/L	240550	1
Tetrachloroethene	1.5		0.46	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Naphthalene	100		1.2	10	ug/L	240354	1
METALS, DISSOLVED SW6010D				**(SW3005A)**			
Barium	0.0701		0.0031	0.0200	mg/L	240459	1
Client Sample ID: TMW-11				**Lab ID:** 1703Q27-011			
Collection Date: 3/29/2017 9:40:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	2.8		0.37	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2-Methylnaphthalene	34		1.2	10	ug/L	240480	1
Acenaphthene	210		11	100	ug/L	240480	10
Anthracene	12		0.82	10	ug/L	240480	1
Carbazole	10		0.75	10	ug/L	240480	1
Dibenzofuran	120		1.1	10	ug/L	240480	1
Fluoranthene	26		1.0	10	ug/L	240480	1
Fluorene	140		1.2	10	ug/L	240480	1
Naphthalene	12		1.2	10	ug/L	240480	1
Phenanthrene	120		0.86	10	ug/L	240480	1
Pyrene	13		0.83	10	ug/L	240480	1
METALS, TOTAL SW6010D				**(SW3010A)**			

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-11				**Lab ID:** 1703Q27-011			
Collection Date: 3/29/2017 9:40:00 AM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.105		0.0031	0.0200	mg/L	240455	1
Client Sample ID: TMW-12				**Lab ID:** 1703Q27-012			
Collection Date: 3/28/2017 1:35:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	2.6		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	6.7		0.37	1.0	ug/L	240550	1
Tetrachloroethene	2.5		0.46	1.0	ug/L	240550	1
1,3,5-Trimethylbenzene	1.2		0.40	1.0	ug/L	240550	1
1,2,4-Trimethylbenzene	1.1		0.29	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	66		1.1	10	ug/L	240354	1
Fluoranthene	46		1.0	10	ug/L	240354	1
Pyrene	25		0.83	10	ug/L	240354	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Aluminum	119		0.0497	0.200	mg/L	240455	1
Barium	0.0414		0.0031	0.0200	mg/L	240455	1
Chromium	0.0146		0.0025	0.0100	mg/L	240455	1
Cobalt	0.292		0.0028	0.0200	mg/L	240455	1
Nickel	0.119		0.0047	0.0200	mg/L	240455	1
Zinc	0.202		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-13				**Lab ID:** 1703Q27-013			
Collection Date: 3/28/2017 12:35:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	4.7		0.37	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	280		11	100	ug/L	240354	10
Dibenzofuran	67		1.1	10	ug/L	240354	1
Fluorene	110		1.2	10	ug/L	240354	1
Phenanthrene	55		0.86	10	ug/L	240354	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00022		0.00006	0.00020	mg/L	240499	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Aluminum	0.626		0.0497	0.200	mg/L	240455	1
Barium	0.0734		0.0031	0.0200	mg/L	240455	1
Chromium	0.0106		0.0025	0.0100	mg/L	240455	1
Lead	0.0196		0.0028	0.0100	mg/L	240455	1
Zinc	0.110		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-14				**Lab ID:** 1703Q27-014			
Collection Date: 3/28/2017 11:20:00 AM				**Matrix:** Groundwater			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	23		1.1	10	ug/L	240354	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.124		0.0031	0.0200	mg/L	240455	1

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-14				**Lab ID:** 1703Q27-014			
Collection Date: 3/28/2017 11:20:00 AM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Zinc	0.0263		0.0057	0.0200	mg/L	240455	1
Client Sample ID: TMW-15				**Lab ID:** 1703Q27-015			
Collection Date: 3/27/2017 5:35:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	1.1		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	5.6		0.37	1.0	ug/L	240550	1
Trichloroethene	1.3		0.30	1.0	ug/L	240550	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00025		0.00006	0.00020	mg/L	240499	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Aluminum	0.307		0.0497	0.200	mg/L	240455	1
Barium	0.0481		0.0031	0.0200	mg/L	240455	1
Client Sample ID: TMW-16				**Lab ID:** 1703Q27-016			
Collection Date: 3/27/2017 4:05:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	1.7		0.37	1.0	ug/L	240550	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00023		0.00006	0.00020	mg/L	240499	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Aluminum	0.581		0.0497	0.200	mg/L	240455	1
Barium	0.0991		0.0031	0.0200	mg/L	240455	1
Client Sample ID: DUP-1				**Lab ID:** 1703Q27-017			
Collection Date: 3/28/2017				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
1,1-Dichloroethene	3.6		0.40	1.0	ug/L	240550	1
1,2-Dichloroethane	26		0.37	1.0	ug/L	240550	1
Trichloroethene	1.8		0.30	1.0	ug/L	240550	1
Tetrachloroethene	9.0		0.46	1.0	ug/L	240550	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2-Methylnaphthalene	24		1.2	10	ug/L	240354	1
Acenaphthene	220		11	100	ug/L	240354	10
Anthracene	13		0.82	10	ug/L	240354	1
Carbazole	54		0.75	10	ug/L	240354	1
Dibenzofuran	110		1.1	10	ug/L	240354	1
Fluoranthene	29		1.0	10	ug/L	240354	1
Fluorene	140		1.2	10	ug/L	240354	1
Naphthalene	18		1.2	10	ug/L	240354	1
Phenanthrene	200		8.6	100	ug/L	240354	10
Pyrene	13		0.83	10	ug/L	240354	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00022		0.00006	0.00020	mg/L	240499	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0728		0.0031	0.0200	mg/L	240455	1

Analytical Environmental Services, Inc

Date: 7-Apr-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: DUP-1				**Lab ID:** 1703Q27-017			
Collection Date: 3/28/2017				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Zinc	0.0845		0.0057	0.0200	mg/L	240455	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted?	○	○	○		

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Locked

Analytical Environmental Services, Inc

Date: 7-Apr-17

Client: Envirorisk Consultants
Project Name: WC Meredith
Lab Order: 1703Q27

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1703Q27-001A	TMW-1	3/29/2017 12:50:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-001B	TMW-1	3/29/2017 12:50:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-001C	TMW-1	3/29/2017 12:50:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-001C	TMW-1	3/29/2017 12:50:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/04/2017
1703Q27-002A	TMW-2	3/29/2017 12:05:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-002B	TMW-2	3/29/2017 12:05:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-002C	TMW-2	3/29/2017 12:05:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-002C	TMW-2	3/29/2017 12:05:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/04/2017
1703Q27-003A	TMW-3	3/29/2017 11:05:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-003B	TMW-3	3/29/2017 11:05:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-003B	TMW-3	3/29/2017 11:05:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/05/2017
1703Q27-003C	TMW-3	3/29/2017 11:05:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/05/2017
1703Q27-003C	TMW-3	3/29/2017 11:05:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-003C	TMW-3	3/29/2017 11:05:00AM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/04/2017
1703Q27-004A	TMW-4	3/29/2017 1:25:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-004B	TMW-4	3/29/2017 1:25:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-004B	TMW-4	3/29/2017 1:25:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/05/2017
1703Q27-004C	TMW-4	3/29/2017 1:25:00PM	Groundwater	DISSOLVED METALS BY ICP		4/3/2017 5:00:00PM	04/04/2017
1703Q27-004C	TMW-4	3/29/2017 1:25:00PM	Groundwater	MERCURY, DISSOLVED		4/4/2017 9:46:00AM	04/05/2017
1703Q27-005A	TMW-5	3/29/2017 8:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-005B	TMW-5	3/29/2017 8:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-005C	TMW-5	3/29/2017 8:40:00AM	Groundwater	DISSOLVED METALS BY ICP		4/3/2017 5:00:00PM	04/04/2017
1703Q27-005C	TMW-5	3/29/2017 8:40:00AM	Groundwater	MERCURY, DISSOLVED		4/4/2017 9:46:00AM	04/05/2017
1703Q27-006A	TMW-6	3/28/2017 4:20:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-006B	TMW-6	3/28/2017 4:20:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-006C	TMW-6	3/28/2017 4:20:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-006C	TMW-6	3/28/2017 4:20:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-007A	TMW-7	3/28/2017 3:30:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-007B	TMW-7	3/28/2017 3:30:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017

Analytical Environmental Services, Inc

Date: 7-Apr-17

Client: Envirorisk Consultants
Project Name: WC Meredith
Lab Order: 1703Q27

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1703Q27-007B	TMW-7	3/28/2017 3:30:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-007C	TMW-7	3/28/2017 3:30:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-007C	TMW-7	3/28/2017 3:30:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-008A	TMW-8	3/28/2017 9:55:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-008B	TMW-8	3/28/2017 9:55:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-008C	TMW-8	3/28/2017 9:55:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-008C	TMW-8	3/28/2017 9:55:00AM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-009A	TMW-9	3/29/2017 8:20:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-009B	TMW-9	3/29/2017 8:20:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-009B	TMW-9	3/29/2017 8:20:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-009C	TMW-9	3/29/2017 8:20:00AM	Groundwater	DISSOLVED METALS BY ICP		4/3/2017 5:00:00PM	04/05/2017
1703Q27-009C	TMW-9	3/29/2017 8:20:00AM	Groundwater	MERCURY, DISSOLVED		4/4/2017 9:46:00AM	04/05/2017
1703Q27-010A	TMW-10	3/29/2017 8:30:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-010B	TMW-10	3/29/2017 8:30:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-010C	TMW-10	3/29/2017 8:30:00AM	Groundwater	DISSOLVED METALS BY ICP		4/3/2017 5:00:00PM	04/04/2017
1703Q27-010C	TMW-10	3/29/2017 8:30:00AM	Groundwater	MERCURY, DISSOLVED		4/4/2017 9:46:00AM	04/05/2017
1703Q27-011A	TMW-11	3/29/2017 9:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-011B	TMW-11	3/29/2017 9:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 2:30:00PM	04/04/2017
1703Q27-011C	TMW-11	3/29/2017 9:40:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-011C	TMW-11	3/29/2017 9:40:00AM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-012A	TMW-12	3/28/2017 1:35:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-012B	TMW-12	3/28/2017 1:35:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-012C	TMW-12	3/28/2017 1:35:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-012C	TMW-12	3/28/2017 1:35:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-013A	TMW-13	3/28/2017 12:35:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-013B	TMW-13	3/28/2017 12:35:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/03/2017
1703Q27-013B	TMW-13	3/28/2017 12:35:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-013C	TMW-13	3/28/2017 12:35:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-013C	TMW-13	3/28/2017 12:35:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017

Client: Envirorisk Consultants
Project Name: WC Meredith
Lab Order: 1703Q27

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1703Q27-014A	TMW-14	3/28/2017 11:20:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-014B	TMW-14	3/28/2017 11:20:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-014C	TMW-14	3/28/2017 11:20:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-014C	TMW-14	3/28/2017 11:20:00AM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-015A	TMW-15	3/27/2017 5:35:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-015B	TMW-15	3/27/2017 5:35:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-015C	TMW-15	3/27/2017 5:35:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-015C	TMW-15	3/27/2017 5:35:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-016A	TMW-16	3/27/2017 4:05:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-016B	TMW-16	3/27/2017 4:05:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-016C	TMW-16	3/27/2017 4:05:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-016C	TMW-16	3/27/2017 4:05:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-017A	DUP-1	3/28/2017 12:00:00AM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-017B	DUP-1	3/28/2017 12:00:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-017C	DUP-1	3/28/2017 12:00:00AM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-017C	DUP-1	3/28/2017 12:00:00AM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-018A	EB-2	3/29/2017 4:00:00PM	Groundwater	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/03/2017
1703Q27-018B	EB-2	3/29/2017 4:00:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		4/3/2017 9:30:00AM	04/04/2017
1703Q27-018C	EB-2	3/29/2017 4:00:00PM	Groundwater	TOTAL METALS BY ICP		4/4/2017 12:51:00PM	04/06/2017
1703Q27-018C	EB-2	3/29/2017 4:00:00PM	Groundwater	TOTAL MERCURY		4/4/2017 9:45:00AM	04/05/2017
1703Q27-019A	TRIP BLANK	3/29/2017 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/03/2017
1703Q27-020A	TRIP BLANK 2	3/29/2017 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		4/3/2017 10:21:00PM	04/04/2017
1703Q27-021A	TRIP BLANK 3	3/29/2017 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		3/31/2017 12:15:00AM	04/04/2017
1703Q27-022A	TRIP BLANK 4	3/29/2017 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		3/31/2017 12:15:00AM	04/04/2017

AES, Inc.
3080 Presidential Drive
Atlanta GA 30340

pH Adjustment Sheet

AES Sample ID number	Test Requested	pH as Received	Required pH	Preservative Required	Lot # of Preservative	Amount Added mL or Pellets*	Final pH	Tech's Initials	Date	Time
1703Q27-001C	Metals	3	1	HNO3	747-50	0.5 mL Pellets	1	AJ	3/30	3:32
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
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						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				

* Number of Pellets when adding NAOH

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240354

Sample ID: **MB-240354** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339832**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240354** Analysis Date: **04/03/2017** Seq No: **7435897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240354

Sample ID: **MB-240354**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339832**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240354**	Analysis Date: **04/03/2017**	Seq No: **7435897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	103.8	0	100.0		104	50	142				
Surr: 2-Fluorobiphenyl	42.06	0	50.00		84.1	46	124				
Surr: 2-Fluorophenol	51.43	0	100.0		51.4	25.3	120				
Surr: 4-Terphenyl-d14	52.75	0	50.00		106	45.1	133				
Surr: Nitrobenzene-d5	36.44	0	50.00		72.9	40.1	121				
Surr: Phenol-d5	32.41	0	100.0		32.4	16.3	120				

Sample ID: **LCS-240354**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339832**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240354**	Analysis Date: **04/03/2017**	Seq No: **7435898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	79.29	10	100.0		79.3	53.1	120				
4-Chloro-3-methylphenol	82.07	10	100.0		82.1	65.6	126				
Acenaphthene	89.79	10	100.0		89.8	64.1	121				
Pentachlorophenol	74.71	25	100.0		74.7	50.2	131				
Phenol	33.11	10	100.0		33.1	25	120				
Pyrene	93.25	10	100.0		93.2	70.5	134				
Surr: 2,4,6-Tribromophenol	108.1	0	100.0		108	50	142				
Surr: 2-Fluorobiphenyl	45.21	0	50.00		90.4	46	124				
Surr: 2-Fluorophenol	53.00	0	100.0		53.0	25.3	120				
Surr: 4-Terphenyl-d14	53.27	0	50.00		107	45.1	133				
Surr: Nitrobenzene-d5	39.11	0	50.00		78.2	40.1	121				
Surr: Phenol-d5	34.54	0	100.0		34.5	16.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240354

Sample ID: **1703Q87-011AMS** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339832**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240354** Analysis Date: **04/03/2017** Seq No: **7435900**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	73.25	50	100.0		73.2	50.8	120				
4-Chloro-3-methylphenol	121.0	50	100.0		121	47.1	124				
Acenaphthene	73.20	50	100.0		73.2	44.7	119				
Pentachlorophenol	134.1	130	100.0		134	40	120				S
Pyrene	68.70	50	100.0		68.7	51	129				
Surr: 2,4,6-Tribromophenol	82.50	0	100.0		82.5	50	142				
Surr: 2-Fluorobiphenyl	37.35	0	50.00		74.7	46	124				
Surr: 2-Fluorophenol	55.15	0	100.0		55.2	25.3	120				
Surr: 4-Terphenyl-d14	39.05	0	50.00		78.1	45.1	133				
Surr: Nitrobenzene-d5	46.10	0	50.00		92.2	40.1	121				
Surr: Phenol-d5	40.80	0	100.0		40.8	16.3	120				

Sample ID: **1703Q87-011AMS** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **340038**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240354** Analysis Date: **04/05/2017** Seq No: **7441094**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenol	2556	500	100.0	1980	576	31.5	120				S

Sample ID: **1703Q87-011AMSD** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339832**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240354** Analysis Date: **04/03/2017** Seq No: **7435901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	70.95	50	100.0		71.0	50.8	120	73.25	3.19	24.8	
4-Chloro-3-methylphenol	181.4	50	100.0		181	47.1	124	121.0	40.0	20.7	SR
Acenaphthene	73.95	50	100.0		74.0	44.7	119	73.20	1.02	20.5	
Pentachlorophenol	131.0	130	100.0		131	40	120	134.1	2.30	30.7	S
Pyrene	68.60	50	100.0		68.6	51	129	68.70	0.146	24.8	
Surr: 2,4,6-Tribromophenol	91.20	0	100.0		91.2	50	142	82.50	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240354

Sample ID: **1703Q87-011AMSD**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339832**
SampleType: **MSD**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240354**	Analysis Date: **04/03/2017**	Seq No: **7435901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	37.20	0	50.00		74.4	46	124	37.35	0	0	
Surr: 2-Fluorophenol	51.10	0	100.0		51.1	25.3	120	55.15	0	0	
Surr: 4-Terphenyl-d14	37.75	0	50.00		75.5	45.1	133	39.05	0	0	
Surr: Nitrobenzene-d5	43.40	0	50.00		86.8	40.1	121	46.10	0	0	
Surr: Phenol-d5	37.85	0	100.0		37.8	16.3	120	40.80	0	0	

Sample ID: **1703Q87-011AMSD**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **340038**
SampleType: **MSD**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **240354**	Analysis Date: **04/05/2017**	Seq No: **7441095**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Phenol	1932	500	100.0	1980	-47.5	31.5	120	2556	27.8	28.5	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240402

Sample ID: **MB-240402**	Client ID:		Units: **ug/L**	Prep Date: **03/31/2017**	Run No: **339757**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240402**	Analysis Date: **03/31/2017**	Seq No: **7433174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	50.47	0	50.00		101	66.1	129				
Surr: Dibromofluoromethane	49.50	0	50.00		99.0	83.6	123				
Surr: Toluene-d8	49.64	0	50.00		99.3	81.8	118				

Sample ID: **LCS-240402**	Client ID:		Units: **ug/L**	Prep Date: **03/31/2017**	Run No: **339773**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240402**	Analysis Date: **03/31/2017**	Seq No: **7433226**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.96	5.0	50.00		110	68	139				
Benzene	51.54	5.0	50.00		103	74	125				
Toluene	52.07	5.0	50.00		104	75.9	126				
Trichloroethene	48.45	5.0	50.00		96.9	70.6	129				
Surr: 4-Bromofluorobenzene	49.46	0	50.00		98.9	66.1	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240402

Sample ID: **LCS-240402**	Client ID:		Units: **ug/L**	Prep Date: **03/31/2017**	Run No: **339773**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240402**	Analysis Date: **03/31/2017**	Seq No: **7433226**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	49.75	0	50.00		99.5	83.6	123				
Surr: Toluene-d8	48.47	0	50.00		96.9	81.8	118				

Sample ID: **1703N36-001AMS**	Client ID:		Units: **ug/L**	Prep Date: **03/31/2017**	Run No: **339773**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240402**	Analysis Date: **03/31/2017**	Seq No: **7433476**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.38	5.0	50.00		119	64.3	149				
Benzene	55.77	5.0	50.00		112	71.6	132				
Toluene	56.00	5.0	50.00		112	72.5	135				
Trichloroethene	53.40	5.0	50.00		107	70.2	132				
Surr: 4-Bromofluorobenzene	47.73	0	50.00		95.5	66.1	129				
Surr: Dibromofluoromethane	48.33	0	50.00		96.7	83.6	123				
Surr: Toluene-d8	47.71	0	50.00		95.4	81.8	118				

Sample ID: **1703N36-001AMSD**	Client ID:		Units: **ug/L**	Prep Date: **03/31/2017**	Run No: **339773**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240402**	Analysis Date: **03/31/2017**	Seq No: **7433478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.50	5.0	50.00		109	64.3	149	59.38	8.57	30.8	
Benzene	53.53	5.0	50.00		107	71.6	132	55.77	4.10	20.7	
Toluene	53.68	5.0	50.00		107	72.5	135	56.00	4.23	23.2	
Trichloroethene	50.24	5.0	50.00		100	70.2	132	53.40	6.10	27.7	
Surr: 4-Bromofluorobenzene	48.01	0	50.00		96.0	66.1	129	47.73	0	0	
Surr: Dibromofluoromethane	47.97	0	50.00		95.9	83.6	123	48.33	0	0	
Surr: Toluene-d8	47.71	0	50.00		95.4	81.8	118	47.71	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240455

Sample ID: **MB-240455** Client ID: Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/05/2017** Seq No: **7443072**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0100									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **MB-240455** Client ID: Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/06/2017** Seq No: **7443192**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									

Sample ID: **LCS-240455** Client ID: Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/05/2017** Seq No: **7443073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9386	0.0500	1.000		93.9	80	120				
Barium	0.9565	0.0200	1.000		95.6	80	120				
Cadmium	1.011	0.0050	1.000		101	80	120				
Chromium	0.8731	0.0100	1.000		87.3	80	120				
Cobalt	0.9815	0.0200	1.000		98.2	80	120				
Copper	0.9280	0.0100	1.000		92.8	80	120				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240455

Sample ID: **LCS-240455** Client ID: Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/05/2017** Seq No: **7443073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9670	0.0100	1.000		96.7	80	120				
Nickel	0.9891	0.0200	1.000		98.9	80	120				
Selenium	0.9295	0.0200	1.000		93.0	80	120				
Vanadium	0.9175	0.0100	1.000		91.8	80	120				
Zinc	1.036	0.0200	1.000		104	80	120				

Sample ID: **LCS-240455** Client ID: Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/06/2017** Seq No: **7443193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.82	0.200	10.00		108	80	120				

Sample ID: **1703Q27-003CMS** Client ID: **TMW-3** Units: **mg/L** Prep Date: **04/04/2017** Run No: **340111**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **240455** Analysis Date: **04/05/2017** Seq No: **7443075**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9529	0.0500	1.000		95.3	75	125				
Barium	0.9990	0.0200	1.000	0.04154	95.7	75	125				
Cadmium	1.014	0.0050	1.000		101	75	125				
Chromium	0.9344	0.0100	1.000		93.4	75	125				
Cobalt	0.9932	0.0200	1.000	0.01425	97.9	75	125				
Copper	0.9374	0.0100	1.000		93.7	75	125				
Lead	0.9701	0.0100	1.000		97.0	75	125				
Nickel	0.9877	0.0200	1.000		98.8	75	125				
Selenium	0.9718	0.0200	1.000		97.2	75	125				
Vanadium	0.9358	0.0100	1.000		93.6	75	125				
Zinc	1.117	0.0200	1.000	0.08145	104	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240455

Sample ID: **1703Q27-003CMS**	Client ID: **TMW-3**				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **340111**	
SampleType: **MS**	TestCode: **METALS, TOTAL SW6010D**				BatchID: **240455**		Analysis Date: **04/06/2017**		Seq No: **7443195**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.84	0.200	10.00	0.1987	106	75	125				

Sample ID: **1703Q27-003CMSD**	Client ID: **TMW-3**				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **340111**	
SampleType: **MSD**	TestCode: **METALS, TOTAL SW6010D**				BatchID: **240455**		Analysis Date: **04/05/2017**		Seq No: **7443078**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9583	0.0500	1.000		95.8	75	125	0.9529	0.573	20	
Barium	1.016	0.0200	1.000	0.04154	97.4	75	125	0.9990	1.65	20	
Cadmium	1.024	0.0050	1.000		102	75	125	1.014	1.05	20	
Chromium	0.9497	0.0100	1.000		95.0	75	125	0.9344	1.62	20	
Cobalt	1.008	0.0200	1.000	0.01425	99.4	75	125	0.9932	1.51	20	
Copper	0.9459	0.0100	1.000		94.6	75	125	0.9374	0.905	20	
Lead	0.9867	0.0100	1.000		98.7	75	125	0.9701	1.69	20	
Nickel	0.9999	0.0200	1.000		100.0	75	125	0.9877	1.23	20	
Selenium	0.9850	0.0200	1.000		98.5	75	125	0.9718	1.35	20	
Vanadium	0.9498	0.0100	1.000		95.0	75	125	0.9358	1.49	20	
Zinc	1.132	0.0200	1.000	0.08145	105	75	125	1.117	1.29	20	

Sample ID: **1703Q27-003CMSD**	Client ID: **TMW-3**				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **340111**	
SampleType: **MSD**	TestCode: **METALS, TOTAL SW6010D**				BatchID: **240455**		Analysis Date: **04/06/2017**		Seq No: **7443198**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	11.39	0.200	10.00	0.1987	112	75	125	10.84	4.92	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240459

Sample ID: **MB-240459** Client ID: Units: **mg/L** Prep Date: **04/03/2017** Run No: **340021**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **240459** Analysis Date: **04/04/2017** Seq No: **7438799**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-240459** Client ID: Units: **mg/L** Prep Date: **04/03/2017** Run No: **340021**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **240459** Analysis Date: **04/04/2017** Seq No: **7438800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.01	0.200	10.00		100	80	120				
Arsenic	1.010	0.0500	1.000		101	80	120				
Barium	0.9970	0.0200	1.000		99.7	80	120				
Cadmium	1.031	0.0050	1.000		103	80	120				
Chromium	0.9715	0.0100	1.000		97.2	80	120				
Cobalt	1.007	0.0200	1.000		101	80	120				
Copper	0.9748	0.0100	1.000		97.5	80	120				
Lead	1.003	0.0100	1.000		100	80	120				
Nickel	1.015	0.0200	1.000		102	80	120				
Selenium	1.026	0.0200	1.000		103	80	120				
Vanadium	0.9831	0.0100	1.000		98.3	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240459

Sample ID: **LCS-240459**	Client ID:			Units: **mg/L**	Prep Date: **04/03/2017**	Run No: **340021**
SampleType: **LCS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **240459**	Analysis Date: **04/04/2017**	Seq No: **7438800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	1.046	0.0200	1.000		105	80	120				

Sample ID: **1703Q27-010CMS**	Client ID: **TMW-10**			Units: **mg/L**	Prep Date: **04/03/2017**	Run No: **340021**
SampleType: **MS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **240459**	Analysis Date: **04/04/2017**	Seq No: **7438802**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.893	0.200	10.00		98.9	75	125				
Arsenic	1.016	0.0500	1.000		102	75	125				
Barium	1.056	0.0200	1.000	0.07008	98.6	75	125				
Cadmium	1.026	0.0050	1.000		103	75	125				
Chromium	0.9809	0.0100	1.000		98.1	75	125				
Cobalt	0.9971	0.0200	1.000		99.7	75	125				
Copper	0.9813	0.0100	1.000		98.1	75	125				
Lead	0.9964	0.0100	1.000		99.6	75	125				
Nickel	0.9992	0.0200	1.000		99.9	75	125				
Selenium	1.035	0.0200	1.000		104	75	125				
Vanadium	0.9925	0.0100	1.000		99.2	75	125				
Zinc	1.039	0.0200	1.000	0.008479	103	75	125				

Sample ID: **1703Q27-010CMSD**	Client ID: **TMW-10**			Units: **mg/L**	Prep Date: **04/03/2017**	Run No: **340021**
SampleType: **MSD**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **240459**	Analysis Date: **04/04/2017**	Seq No: **7438803**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.922	0.200	10.00		99.2	75	125	9.893	0.286	20	
Arsenic	1.025	0.0500	1.000		102	75	125	1.016	0.806	20	
Barium	1.060	0.0200	1.000	0.07008	99.0	75	125	1.056	0.361	20	
Cadmium	1.028	0.0050	1.000		103	75	125	1.026	0.255	20	
Chromium	0.9838	0.0100	1.000		98.4	75	125	0.9809	0.299	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240459

Sample ID: **1703Q27-010CMSD** Client ID: **TMW-10** Units: **mg/L** Prep Date: **04/03/2017** Run No: **340021**
SampleType: **MSD** TestCode: **METALS, DISSOLVED SW6010D** BatchID: **240459** Analysis Date: **04/04/2017** Seq No: **7438803**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	1.002	0.0200	1.000		100	75	125	0.9971	0.478	20	
Copper	0.9833	0.0100	1.000		98.3	75	125	0.9813	0.205	20	
Lead	1.003	0.0100	1.000		100	75	125	0.9964	0.633	20	
Nickel	1.000	0.0200	1.000		100	75	125	0.9992	0.091	20	
Selenium	1.052	0.0200	1.000		105	75	125	1.035	1.60	20	
Vanadium	0.9799	0.0100	1.000		98.0	75	125	0.9925	1.27	20	
Zinc	1.042	0.0200	1.000	0.008479	103	75	125	1.039	0.333	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240480

Sample ID: **MB-240480** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7437429**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240480

Sample ID: **MB-240480** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7437429**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	87.37	0	100.0		87.4	50	142				
Surr: 2-Fluorobiphenyl	38.62	0	50.00		77.2	46	124				
Surr: 2-Fluorophenol	41.09	0	100.0		41.1	25.3	120				
Surr: 4-Terphenyl-d14	45.25	0	50.00		90.5	45.1	133				
Surr: Nitrobenzene-d5	38.75	0	50.00		77.5	40.1	121				
Surr: Phenol-d5	23.66	0	100.0		23.7	16.3	120				

Sample ID: **LCS-240480** Client ID: Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7437430**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	82.70	10	100.0		82.7	53.1	120				
4-Chloro-3-methylphenol	96.07	10	100.0		96.1	65.6	126				
Acenaphthene	97.77	10	100.0		97.8	64.1	121				
Pentachlorophenol	77.36	25	100.0		77.4	50.2	131				
Phenol	36.74	10	100.0		36.7	25	120				
Pyrene	98.83	10	100.0		98.8	70.5	134				
Surr: 2,4,6-Tribromophenol	113.6	0	100.0		114	50	142				
Surr: 2-Fluorobiphenyl	47.90	0	50.00		95.8	46	124				
Surr: 2-Fluorophenol	51.74	0	100.0		51.7	25.3	120				
Surr: 4-Terphenyl-d14	51.95	0	50.00		104	45.1	133				
Surr: Nitrobenzene-d5	46.27	0	50.00		92.5	40.1	121				
Surr: Phenol-d5	36.55	0	100.0		36.6	16.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240480

Sample ID: **1703Q06-003CMS** Client ID:
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7440432**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	77.11	10	100.0		77.1	50.8	120				
4-Chloro-3-methylphenol	86.31	10	100.0		86.3	47.1	124				
Acenaphthene	93.85	10	100.0		93.8	44.7	119				
Pentachlorophenol	70.06	25	100.0		70.1	40	120				
Phenol	39.49	10	100.0		39.5	31.5	120				
Pyrene	90.64	10	100.0		90.6	51	129				
Surr: 2,4,6-Tribromophenol	104.0	0	100.0		104	50	142				
Surr: 2-Fluorobiphenyl	44.89	0	50.00		89.8	46	124				
Surr: 2-Fluorophenol	52.30	0	100.0		52.3	25.3	120				
Surr: 4-Terphenyl-d14	46.77	0	50.00		93.5	45.1	133				
Surr: Nitrobenzene-d5	42.07	0	50.00		84.1	40.1	121				
Surr: Phenol-d5	40.42	0	100.0		40.4	16.3	120				

Sample ID: **1703Q06-003CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7440433**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	79.24	10	100.0		79.2	50.8	120	77.11	2.72	24.8	
4-Chloro-3-methylphenol	87.83	10	100.0		87.8	47.1	124	86.31	1.75	20.7	
Acenaphthene	95.42	10	100.0		95.4	44.7	119	93.85	1.66	20.5	
Pentachlorophenol	76.34	25	100.0		76.3	40	120	70.06	8.58	30.7	
Phenol	41.18	10	100.0		41.2	31.5	120	39.49	4.19	28.5	
Pyrene	88.83	10	100.0		88.8	51	129	90.64	2.02	24.8	
Surr: 2,4,6-Tribromophenol	100.4	0	100.0		100	50	142	104.0	0	0	
Surr: 2-Fluorobiphenyl	45.03	0	50.00		90.1	46	124	44.89	0	0	
Surr: 2-Fluorophenol	54.66	0	100.0		54.7	25.3	120	52.30	0	0	
Surr: 4-Terphenyl-d14	44.81	0	50.00		89.6	45.1	133	46.77	0	0	
Surr: Nitrobenzene-d5	41.76	0	50.00		83.5	40.1	121	42.07	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240480

Sample ID: **1703Q06-003CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **04/03/2017** Run No: **339972**
BatchID: **240480** Analysis Date: **04/04/2017** Seq No: **7440433**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	41.73	0	100.0		41.7	16.3	120	40.42	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240499

Sample ID: **MB-240499**	Client ID:				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **339976**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **240499**		Analysis Date: **04/04/2017**		Seq No: **7437912**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-240499**	Client ID:				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **339976**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **240499**		Analysis Date: **04/04/2017**		Seq No: **7437913**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004836	0.00020	0.0050	0.0001110	94.5	80	120				

Sample ID: **1703Q27-001CMS**	Client ID: **TMW-1**				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **339976**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **240499**		Analysis Date: **04/04/2017**		Seq No: **7437917**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004734	0.00020	0.0050	0.0001789	91.1	70	130				

Sample ID: **1703Q27-001CMSD**	Client ID: **TMW-1**				Units: **mg/L**		Prep Date: **04/04/2017**		Run No: **339976**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **240499**		Analysis Date: **04/04/2017**		Seq No: **7437918**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004984	0.00020	0.0050	0.0001789	96.1	70	130	0.004734	5.14	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240508

Sample ID: **MB-240508**	Client ID:			Units: **mg/L**	Prep Date: **04/04/2017**	Run No: **339977**
SampleType: **MBLK**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **240508**	Analysis Date: **04/05/2017**	Seq No: **7439974**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-240508**	Client ID:			Units: **mg/L**	Prep Date: **04/04/2017**	Run No: **339977**
SampleType: **LCS**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **240508**	Analysis Date: **04/05/2017**	Seq No: **7439975**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005252	0.00020	0.0050	0.0001821	101	80	120				

Sample ID: **1703Q27-009CMS**	Client ID: **TMW-9**			Units: **mg/L**	Prep Date: **04/04/2017**	Run No: **339977**
SampleType: **MS**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **240508**	Analysis Date: **04/05/2017**	Seq No: **7439977**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005294	0.00020	0.0050	0.0004168	97.6	70	130				

Sample ID: **1703Q27-009CMSD**	Client ID: **TMW-9**			Units: **mg/L**	Prep Date: **04/04/2017**	Run No: **339977**
SampleType: **MSD**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **240508**	Analysis Date: **04/05/2017**	Seq No: **7439978**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005530	0.00020	0.0050	0.0004168	102	70	130	0.005294	4.35	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240550

Sample ID: **MB-240550**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339925**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240550**	Analysis Date: **04/03/2017**	Seq No: **7436399**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	41.39	0	50.00		82.8	66.1	129				
Surr: Dibromofluoromethane	54.89	0	50.00		110	83.6	123				
Surr: Toluene-d8	50.97	0	50.00		102	81.8	118				

Sample ID: **LCS-240550**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339925**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240550**	Analysis Date: **04/03/2017**	Seq No: **7436398**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	52.58	5.0	50.00		105	68	139				
Benzene	47.80	5.0	50.00		95.6	74	125				
Toluene	48.78	5.0	50.00		97.6	75.9	126				
Trichloroethene	45.61	5.0	50.00		91.2	70.6	129				
Surr: 4-Bromofluorobenzene	42.50	0	50.00		85.0	66.1	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1703Q27

ANALYTICAL QC SUMMARY REPORT

BatchID: 240550

Sample ID: **LCS-240550**	Client ID:		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339925**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240550**	Analysis Date: **04/03/2017**	Seq No: **7436398**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	52.31	0	50.00		105	83.6	123				
Surr: Toluene-d8	49.48	0	50.00		99.0	81.8	118				

Sample ID: **1703Q27-001AMS**	Client ID: **TMW-1**		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339925**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240550**	Analysis Date: **04/04/2017**	Seq No: **7436406**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.70	5.0	50.00		119	64.3	149				
Benzene	49.88	5.0	50.00		99.8	71.6	132				
Toluene	52.06	5.0	50.00		104	72.5	135				
Trichloroethene	47.88	5.0	50.00		95.8	70.2	132				
Surr: 4-Bromofluorobenzene	40.30	0	50.00		80.6	66.1	129				
Surr: Dibromofluoromethane	53.56	0	50.00		107	83.6	123				
Surr: Toluene-d8	50.01	0	50.00		100	81.8	118				

Sample ID: **1703Q27-001AMSD**	Client ID: **TMW-1**		Units: **ug/L**	Prep Date: **04/03/2017**	Run No: **339925**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **240550**	Analysis Date: **04/04/2017**	Seq No: **7436407**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.49	5.0	50.00		115	64.3	149	59.70	3.77	30.8	
Benzene	49.50	5.0	50.00		99.0	71.6	132	49.88	0.765	20.7	
Toluene	51.07	5.0	50.00		102	72.5	135	52.06	1.92	23.2	
Trichloroethene	47.27	5.0	50.00		94.5	70.2	132	47.88	1.28	27.7	
Surr: 4-Bromofluorobenzene	40.10	0	50.00		80.2	66.1	129	40.30	0	0	
Surr: Dibromofluoromethane	52.34	0	50.00		105	83.6	123	53.56	0	0	
Surr: Toluene-d8	50.04	0	50.00		100	81.8	118	50.01	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

May 08, 2017

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1704N48

Analytical Environmental Services, Inc. received 14 samples on 4/27/2017 3:05:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and

Ioana Pacurar

Ioana Pacurar
Project Manager

AES
ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704N48

Date: 4/27/17 Page 1 of 1

COMPANY:	ADDRESS:
Enviorisk Consultants, Inc.	533 S. Madison Ave Monroe, Georgia
PHONE: 678·635·7366	FAX: 678·635·7380
SAMPLED BY: Jason Chappell	SIGNATURE:

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260*	8270*	TOTAL METALS*	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SW-5	4/27/17	1120	✓		SW						5
2	SW-6		1045	✓		SW						5
3	SW-7		1015	✓		SW						5
4	SW-8		1000	✓		SW						5
5	SW-9		945	✓		SW						5
6	SW-10		1030	✓		SW						5
7	SED-5		1125	✓		SE						6
8	SED-6		1050	✓		SE						6
9	SED-7		1020	✓		SE						6
10	SED-8		1005	✓		SE						6
11	SED-9		950	✓		SE						6
12	SED-10		1035	✓		SE						6
13												
14												

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1:	4/27/17 1505	1:	4/27/17 1505
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: WC Mereditl
PROJECT #: ER-437
SITE ADDRESS: East Point, Georgia
SEND REPORT TO: Ken Summerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush **(auth req.)**
- [ ] Other

STATE PROGRAM (if any):
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SPECIAL INSTRUCTIONS/COMMENTS:
- site specific

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 8-May-17

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1704N48

Case Narrative

Sample Receiving Non-conformance:

Two Trip Blanks were provided but not listed on the Chain of Custody. Trip blanks were analyzed at no cost to the client.

Metals Analysis by Method 6020B:

Copper was detected in Method Blank 241842 at 289.16 ug/l which was above reporting limit of 100ug/l resulting in "B" qualified data for all samples with final Reporting Limits less than the value detected in the Method Blank. Associated sample values were greater than approximately 10X the blank value and/or data was not affected.

Analytical Environmental Services, Inc

Date: 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 11:20:00 AM
Lab ID:	1704N48-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 18:25	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 18:25	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Benzene	2.2	1.0		ug/L	241922	1	05/01/2017 18:25	NP
1,2-Dichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Toluene	2.6	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Ethylbenzene	2.4	1.0		ug/L	241922	1	05/01/2017 18:25	NP
m,p-Xylene	3.6	2.0		ug/L	241922	1	05/01/2017 18:25	NP
o-Xylene	1.8	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 18:25	NP
1,3,5-Trimethylbenzene	1.3	1.0		ug/L	241922	1	05/01/2017 18:25	NP
1,2,4-Trimethylbenzene	3.1	1.0		ug/L	241922	1	05/01/2017 18:25	NP
Surr: 4-Bromofluorobenzene	81.9	66.1-129		%REC	241922	1	05/01/2017 18:25	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	241922	1	05/01/2017 18:25	NP
Surr: Toluene-d8	100	81.8-118		%REC	241922	1	05/01/2017 18:25	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	350	50.0		ug/L	242012	1	05/05/2017 18:56	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Barium	87.2	10.0		ug/L	242012	1	05/05/2017 18:56	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 18:56	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Cobalt	10.5	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Copper	BRL	2.00		ug/L	242012	1	05/05/2017 18:56	JR
Lead	BRL	1.00		ug/L	242012	1	05/05/2017 18:56	JR
Nickel	BRL	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 18:56	JR
Zinc	33.2	10.0		ug/L	242012	1	05/05/2017 18:56	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	22	10		ug/L	241817	1	05/02/2017 14:46	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
2,4-Dimethylphenol	180	50		ug/L	241817	5	05/02/2017 17:49	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 14:46	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
2-Methylnaphthalene	90	10		ug/L	241817	1	05/02/2017 14:46	YH
2-Methylphenol	140	10		ug/L	241817	1	05/02/2017 14:46	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 11:20:00 AM
Lab ID:	1704N48-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	190	50		ug/L	241817	5	05/02/2017 17:49	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Acenaphthene	160	50		ug/L	241817	5	05/02/2017 17:49	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Anthracene	13	10		ug/L	241817	1	05/02/2017 14:46	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Carbazole	140	10		ug/L	241817	1	05/02/2017 14:46	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Dibenzofuran	110	10		ug/L	241817	1	05/02/2017 14:46	YH
Fluoranthene	18	10		ug/L	241817	1	05/02/2017 14:46	YH
Fluorene	110	10		ug/L	241817	1	05/02/2017 14:46	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Naphthalene	150	10		ug/L	241817	1	05/02/2017 14:46	YH
Pentachlorophenol	BRL	130		ug/L	241817	5	05/02/2017 17:49	YH
Phenanthrene	130	10		ug/L	241817	1	05/02/2017 14:46	YH
Phenol	18	10		ug/L	241817	1	05/02/2017 14:46	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 14:46	YH
Surr: 2,4,6-Tribromophenol	88.8	50-142		%REC	241817	1	05/02/2017 14:46	YH
Surr: 2-Fluorobiphenyl	78.2	46-124		%REC	241817	1	05/02/2017 14:46	YH
Surr: 2-Fluorophenol	54.8	25.3-120		%REC	241817	1	05/02/2017 14:46	YH
Surr: 4-Terphenyl-d14	95.1	45.1-133		%REC	241817	1	05/02/2017 14:46	YH
Surr: Nitrobenzene-d5	91	40.1-121		%REC	241817	1	05/02/2017 14:46	YH
Surr: Phenol-d5	36.7	16.3-120		%REC	241817	1	05/02/2017 14:46	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242080	1	05/05/2017 02:07	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:45:00 AM
Lab ID:	1704N48-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 15:55	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 15:55	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
1,2-Dichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Toluene	1.2	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 15:55	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:55	NP
Surr: 4-Bromofluorobenzene	81.2	66.1-129		%REC	241922	1	05/01/2017 15:55	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	241922	1	05/01/2017 15:55	NP
Surr: Toluene-d8	102	81.8-118		%REC	241922	1	05/01/2017 15:55	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	102	50.0		ug/L	242012	1	05/05/2017 19:27	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Barium	79.4	10.0		ug/L	242012	1	05/05/2017 19:27	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 19:27	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Cobalt	6.40	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Copper	BRL	2.00		ug/L	242012	1	05/05/2017 19:27	JR
Lead	BRL	1.00		ug/L	242012	1	05/05/2017 19:27	JR
Nickel	BRL	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 19:27	JR
Zinc	11.6	10.0		ug/L	242012	1	05/05/2017 19:27	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	14	10		ug/L	241817	1	05/02/2017 17:24	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
2,4-Dimethylphenol	66	10		ug/L	241817	1	05/02/2017 17:24	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 17:24	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
2-Methylnaphthalene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
2-Methylphenol	55	10		ug/L	241817	1	05/02/2017 17:24	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:45:00 AM
Lab ID:	1704N48-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	46	10		ug/L	241817	1	05/02/2017 17:24	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Acenaphthene	72	10		ug/L	241817	1	05/02/2017 17:24	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Anthracene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Carbazole	41	10		ug/L	241817	1	05/02/2017 17:24	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Dibenzofuran	33	10		ug/L	241817	1	05/02/2017 17:24	YH
Fluoranthene	11	10		ug/L	241817	1	05/02/2017 17:24	YH
Fluorene	54	10		ug/L	241817	1	05/02/2017 17:24	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Naphthalene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Pentachlorophenol	110	25		ug/L	241817	1	05/02/2017 17:24	YH
Phenanthrene	36	10		ug/L	241817	1	05/02/2017 17:24	YH
Phenol	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 17:24	YH
Surr: 2,4,6-Tribromophenol	87.6	50-142		%REC	241817	1	05/02/2017 17:24	YH
Surr: 2-Fluorobiphenyl	79.1	46-124		%REC	241817	1	05/02/2017 17:24	YH
Surr: 2-Fluorophenol	43.1	25.3-120		%REC	241817	1	05/02/2017 17:24	YH
Surr: 4-Terphenyl-d14	95.3	45.1-133		%REC	241817	1	05/02/2017 17:24	YH
Surr: Nitrobenzene-d5	92.3	40.1-121		%REC	241817	1	05/02/2017 17:24	YH
Surr: Phenol-d5	28	16.3-120		%REC	241817	1	05/02/2017 17:24	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	241994	1	05/04/2017 10:16	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:15:00 AM
Lab ID:	1704N48-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 16:20	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 16:20	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
1,2-Dichloroethane	4.5	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Tetrachloroethene	1.2	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 16:20	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:20	NP
Surr: 4-Bromofluorobenzene	78.4	66.1-129		%REC	241922	1	05/01/2017 16:20	NP
Surr: Dibromofluoromethane	111	83.6-123		%REC	241922	1	05/01/2017 16:20	NP
Surr: Toluene-d8	98.5	81.8-118		%REC	241922	1	05/01/2017 16:20	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	BRL	50.0		ug/L	242012	1	05/05/2017 19:33	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Barium	75.3	10.0		ug/L	242012	1	05/05/2017 19:33	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 19:33	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Cobalt	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Copper	BRL	2.00		ug/L	242012	1	05/05/2017 19:33	JR
Lead	BRL	1.00		ug/L	242012	1	05/05/2017 19:33	JR
Nickel	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 19:33	JR
Zinc	BRL	10.0		ug/L	242012	1	05/05/2017 19:33	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
2,4-Dimethylphenol	23	10		ug/L	241817	1	05/02/2017 15:39	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 15:39	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
2-Methylnaphthalene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
2-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:15:00 AM
Lab ID:	1704N48-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Acenaphthene	18	10		ug/L	241817	1	05/02/2017 15:39	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Anthracene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Carbazole	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Dibenzofuran	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Fluorene	13	10		ug/L	241817	1	05/02/2017 15:39	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Naphthalene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Pentachlorophenol	38	25		ug/L	241817	1	05/02/2017 15:39	YH
Phenanthrene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Phenol	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 15:39	YH
Surr: 2,4,6-Tribromophenol	83.6	50-142		%REC	241817	1	05/02/2017 15:39	YH
Surr: 2-Fluorobiphenyl	75.3	46-124		%REC	241817	1	05/02/2017 15:39	YH
Surr: 2-Fluorophenol	45	25.3-120		%REC	241817	1	05/02/2017 15:39	YH
Surr: 4-Terphenyl-d14	88.6	45.1-133		%REC	241817	1	05/02/2017 15:39	YH
Surr: Nitrobenzene-d5	87.4	40.1-121		%REC	241817	1	05/02/2017 15:39	YH
Surr: Phenol-d5	28.2	16.3-120		%REC	241817	1	05/02/2017 15:39	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242080	1	05/05/2017 01:47	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:00:00 AM
Lab ID:	1704N48-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 16:45	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 16:45	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
1,2-Dichloroethane	2.3	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 16:45	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 16:45	NP
Surr: 4-Bromofluorobenzene	77.3	66.1-129		%REC	241922	1	05/01/2017 16:45	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	241922	1	05/01/2017 16:45	NP
Surr: Toluene-d8	98.4	81.8-118		%REC	241922	1	05/01/2017 16:45	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	8800	50.0		ug/L	242012	1	05/05/2017 19:40	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Barium	52.2	10.0		ug/L	242012	1	05/05/2017 19:40	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 19:40	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Cobalt	28.5	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Copper	2.99	2.00		ug/L	242012	1	05/05/2017 19:40	JR
Lead	1.29	1.00		ug/L	242012	1	05/05/2017 19:40	JR
Nickel	16.0	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 19:40	JR
Zinc	18.9	10.0		ug/L	242012	1	05/05/2017 19:40	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
2,4-Dimethylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 16:04	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
2-Methylnaphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
2-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:00:00 AM
Lab ID:	1704N48-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Acenaphthene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Carbazole	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Dibenzofuran	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Fluorene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Naphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Pentachlorophenol	BRL	25		ug/L	241817	1	05/02/2017 16:04	YH
Phenanthrene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Phenol	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:04	YH
Surr: 2,4,6-Tribromophenol	86.1	50-142		%REC	241817	1	05/02/2017 16:04	YH
Surr: 2-Fluorobiphenyl	79	46-124		%REC	241817	1	05/02/2017 16:04	YH
Surr: 2-Fluorophenol	53.9	25.3-120		%REC	241817	1	05/02/2017 16:04	YH
Surr: 4-Terphenyl-d14	96.3	45.1-133		%REC	241817	1	05/02/2017 16:04	YH
Surr: Nitrobenzene-d5	91.6	40.1-121		%REC	241817	1	05/02/2017 16:04	YH
Surr: Phenol-d5	35.7	16.3-120		%REC	241817	1	05/02/2017 16:04	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242080	1	05/05/2017 02:11	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-9
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 9:45:00 AM
Lab ID:	1704N48-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 17:10	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 17:10	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
1,2-Dichloroethane	1.8	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 17:10	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 17:10	NP
Surr: 4-Bromofluorobenzene	77.6	66.1-129		%REC	241922	1	05/01/2017 17:10	NP
Surr: Dibromofluoromethane	113	83.6-123		%REC	241922	1	05/01/2017 17:10	NP
Surr: Toluene-d8	102	81.8-118		%REC	241922	1	05/01/2017 17:10	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	12600	50.0		ug/L	242012	1	05/05/2017 19:59	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Barium	50.1	10.0		ug/L	242012	1	05/05/2017 19:59	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 19:59	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Cobalt	42.7	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Copper	3.81	2.00		ug/L	242012	1	05/05/2017 19:59	JR
Lead	2.37	1.00		ug/L	242012	1	05/05/2017 19:59	JR
Nickel	21.1	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 19:59	JR
Zinc	27.3	10.0		ug/L	242012	1	05/05/2017 19:59	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
2,4-Dimethylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 16:30	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
2-Methylnaphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
2-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-9
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 9:45:00 AM
Lab ID:	1704N48-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Acenaphthene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Carbazole	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Dibenzofuran	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Fluorene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Naphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Pentachlorophenol	BRL	25		ug/L	241817	1	05/02/2017 16:30	YH
Phenanthrene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Phenol	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:30	YH
Surr: 2,4,6-Tribromophenol	82.1	50-142		%REC	241817	1	05/02/2017 16:30	YH
Surr: 2-Fluorobiphenyl	74.4	46-124		%REC	241817	1	05/02/2017 16:30	YH
Surr: 2-Fluorophenol	49.7	25.3-120		%REC	241817	1	05/02/2017 16:30	YH
Surr: 4-Terphenyl-d14	89.7	45.1-133		%REC	241817	1	05/02/2017 16:30	YH
Surr: Nitrobenzene-d5	84.2	40.1-121		%REC	241817	1	05/02/2017 16:30	YH
Surr: Phenol-d5	31.9	16.3-120		%REC	241817	1	05/02/2017 16:30	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242080	1	05/05/2017 02:15	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-10
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:30:00 AM
Lab ID:	1704N48-006	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Acetone	BRL	20		ug/L	241922	1	05/01/2017 18:00	NP
2-Butanone	BRL	10		ug/L	241922	1	05/01/2017 18:00	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
1,2-Dichloroethane	4.1	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Tetrachloroethene	1.2	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 18:00	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 18:00	NP
Surr: 4-Bromofluorobenzene	80	66.1-129		%REC	241922	1	05/01/2017 18:00	NP
Surr: Dibromofluoromethane	111	83.6-123		%REC	241922	1	05/01/2017 18:00	NP
Surr: Toluene-d8	98.5	81.8-118		%REC	241922	1	05/01/2017 18:00	NP
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	191	50.0		ug/L	242012	1	05/05/2017 20:05	JR
Arsenic	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Barium	72.3	10.0		ug/L	242012	1	05/05/2017 20:05	JR
Cadmium	BRL	0.700		ug/L	242012	1	05/05/2017 20:05	JR
Chromium	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Cobalt	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Copper	BRL	2.00		ug/L	242012	1	05/05/2017 20:05	JR
Lead	1.61	1.00		ug/L	242012	1	05/05/2017 20:05	JR
Nickel	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Selenium	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Vanadium	BRL	5.00		ug/L	242012	1	05/05/2017 20:05	JR
Zinc	BRL	10.0		ug/L	242012	1	05/05/2017 20:05	JR
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
2,4-Dimethylphenol	25	10		ug/L	241817	1	05/02/2017 16:57	YH
2,4-Dinitrophenol	BRL	25		ug/L	241817	1	05/02/2017 16:57	YH
2-Chlorophenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
2-Methylnaphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
2-Methylphenol	11	10		ug/L	241817	1	05/02/2017 16:57	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-10
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:30:00 AM
Lab ID:	1704N48-006	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Acenaphthene	25	10		ug/L	241817	1	05/02/2017 16:57	YH
Acenaphthylene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Benz(a)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Benzo(a)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Benzo(b)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Benzo(k)fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Carbazole	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Chrysene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Dibenzofuran	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Fluoranthene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Fluorene	18	10		ug/L	241817	1	05/02/2017 16:57	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Naphthalene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Pentachlorophenol	57	25		ug/L	241817	1	05/02/2017 16:57	YH
Phenanthrene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Phenol	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Pyrene	BRL	10		ug/L	241817	1	05/02/2017 16:57	YH
Surr: 2,4,6-Tribromophenol	85.4	50-142		%REC	241817	1	05/02/2017 16:57	YH
Surr: 2-Fluorobiphenyl	77.1	46-124		%REC	241817	1	05/02/2017 16:57	YH
Surr: 2-Fluorophenol	46.8	25.3-120		%REC	241817	1	05/02/2017 16:57	YH
Surr: 4-Terphenyl-d14	91.6	45.1-133		%REC	241817	1	05/02/2017 16:57	YH
Surr: Nitrobenzene-d5	92	40.1-121		%REC	241817	1	05/02/2017 16:57	YH
Surr: Phenol-d5	29.6	16.3-120		%REC	241817	1	05/02/2017 16:57	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242080	1	05/05/2017 09:37	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 11:25:00 AM
Lab ID:	1704N48-007	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Acetone	BRL	0.17		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
2-Butanone	BRL	0.083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
1,1,1-Trichloroethane	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Benzene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
1,2-Dichloroethane	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Trichloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Toluene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Tetrachloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Ethylbenzene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
m,p-Xylene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
o-Xylene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Styrene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
1,3,5-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
1,2,4-Trimethylbenzene	0.0094	0.0083		mg/Kg-dry	241997	1	05/03/2017 11:15	MD
Surr: 4-Bromofluorobenzene	78.3	63-125		%REC	241997	1	05/03/2017 11:15	MD
Surr: Dibromofluoromethane	82.3	69.9-123		%REC	241997	1	05/03/2017 11:15	MD
Surr: Toluene-d8	88.8	70-122		%REC	241997	1	05/03/2017 11:15	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.102		mg/Kg-dry	241892	1	05/02/2017 18:50	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2-Methylnaphthalene	6.1	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Acenaphthene	12	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Anthracene	3.3	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Benz(a)anthracene	2.5	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Benzo(a)pyrene	0.80	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Benzo(b)fluoranthene	1.2	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Benzo(k)fluoranthene	0.50	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Carbazole	2.7	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Chrysene	2.3	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 11:25:00 AM
Lab ID:	1704N48-007	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Dibenzofuran	9.0	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Fluoranthene	14	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Fluorene	12	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Naphthalene	6.0	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Phenanthrene	27	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Phenol	BRL	0.40		mg/Kg-dry	241899	1	05/02/2017 20:08	YH
Pyrene	8.7	4.0		mg/Kg-dry	241899	10	05/02/2017 22:47	YH
Surr: 2,4,6-Tribromophenol	121	46.9-137		%REC	241899	1	05/02/2017 20:08	YH
Surr: 2-Fluorobiphenyl	97.4	50-115		%REC	241899	1	05/02/2017 20:08	YH
Surr: 2-Fluorophenol	87.5	41.2-105		%REC	241899	1	05/02/2017 20:08	YH
Surr: 4-Terphenyl-d14	110	51.9-126		%REC	241899	1	05/02/2017 20:08	YH
Surr: Nitrobenzene-d5	78.4	40.2-113		%REC	241899	1	05/02/2017 20:08	YH
Surr: Phenol-d5	85	45-109		%REC	241899	1	05/02/2017 20:08	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	1640	119		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Arsenic	BRL	8.94		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Barium	26.5	5.96		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Cadmium	BRL	0.06		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Chromium	5.33	1.19		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Cobalt	1.12	0.30		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Copper	6.73	1.19		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Lead	7.52	0.60		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Nickel	4.03	0.30		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Selenium	BRL	2.98		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Vanadium	6.77	2.98		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
Zinc	47.5	5.96		mg/Kg-dry	241842	10	05/03/2017 17:47	JR
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:50:00 AM
Lab ID:	1704N48-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Acetone	BRL	0.25		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
2-Butanone	BRL	0.13		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
1,1,1-Trichloroethane	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Benzene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
1,2-Dichloroethane	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Trichloroethene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Toluene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Tetrachloroethene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Ethylbenzene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
m,p-Xylene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
o-Xylene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Styrene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
1,3,5-Trimethylbenzene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
1,2,4-Trimethylbenzene	BRL	0.013		mg/Kg-dry	241997	1	05/03/2017 11:39	MD
Surr: 4-Bromofluorobenzene	77.5	63-125		%REC	241997	1	05/03/2017 11:39	MD
Surr: Dibromofluoromethane	86	69.9-123		%REC	241997	1	05/03/2017 11:39	MD
Surr: Toluene-d8	86.9	70-122		%REC	241997	1	05/03/2017 11:39	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.153		mg/Kg-dry	241892	1	05/02/2017 18:52	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2,4,6-Trichlorophenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2,4-Dimethylphenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2,4-Dinitrophenol	BRL	2.7		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2-Chlorophenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2-Methylnaphthalene	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
2-Methylphenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
3,4-Methylphenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
4-Chloro-3-methylphenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Acenaphthene	34	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Acenaphthylene	3.8	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Anthracene	12	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Benz(a)anthracene	7.8	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Benzo(a)pyrene	21	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Benzo(b)fluoranthene	40	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Benzo(k)fluoranthene	10	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Carbazole	4.1	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Chrysene	14	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:50:00 AM
Lab ID:	1704N48-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	4.6	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Dibenzofuran	22	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Fluoranthene	28	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Fluorene	35	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Indeno(1,2,3-cd)pyrene	9.9	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Naphthalene	1.3	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Pentachlorophenol	BRL	2.7		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Phenanthrene	16	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Phenol	BRL	0.53		mg/Kg-dry	241899	1	05/02/2017 20:34	YH
Pyrene	23	5.3		mg/Kg-dry	241899	10	05/02/2017 23:13	YH
Surr: 2,4,6-Tribromophenol	130	46.9-137		%REC	241899	1	05/02/2017 20:34	YH
Surr: 2-Fluorobiphenyl	98.5	50-115		%REC	241899	1	05/02/2017 20:34	YH
Surr: 2-Fluorophenol	87.3	41.2-105		%REC	241899	1	05/02/2017 20:34	YH
Surr: 4-Terphenyl-d14	114	51.9-126		%REC	241899	1	05/02/2017 20:34	YH
Surr: Nitrobenzene-d5	81	40.2-113		%REC	241899	1	05/02/2017 20:34	YH
Surr: Phenol-d5	84.6	45-109		%REC	241899	1	05/02/2017 20:34	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	7410	152		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Arsenic	BRL	11.4		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Barium	49.8	7.61		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Cadmium	BRL	0.08		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Chromium	98.5	1.52		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Cobalt	8.59	0.38		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Copper	21.5	1.52		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Lead	64.3	0.76		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Nickel	7.11	0.38		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Selenium	BRL	3.80		mg/Kg-dry	241842	10	05/04/2017 17:39	JR
Vanadium	36.4	3.80		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
Zinc	363	7.61		mg/Kg-dry	241842	10	05/03/2017 17:53	JR
PERCENT MOISTURE D2216								
Percent Moisture	37.8	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:20:00 AM
Lab ID:	1704N48-009	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Acetone	BRL	0.10		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
2-Butanone	BRL	0.052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
1,1,1-Trichloroethane	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Benzene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
1,2-Dichloroethane	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Trichloroethene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Toluene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Tetrachloroethene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Ethylbenzene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
m,p-Xylene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
o-Xylene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Styrene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
1,3,5-Trimethylbenzene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
1,2,4-Trimethylbenzene	BRL	0.0052		mg/Kg-dry	241997	1	05/04/2017 13:10	MD
Surr: 4-Bromofluorobenzene	70.6	63-125		%REC	241997	1	05/04/2017 13:10	MD
Surr: Dibromofluoromethane	84.2	69.9-123		%REC	241997	1	05/04/2017 13:10	MD
Surr: Toluene-d8	89.1	70-122		%REC	241997	1	05/04/2017 13:10	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.124		mg/Kg-dry	241892	1	05/02/2017 18:55	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Acenaphthene	1.4	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Anthracene	1.1	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Benz(a)anthracene	1.4	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Benzo(a)pyrene	0.46	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Benzo(b)fluoranthene	0.82	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Carbazole	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Chrysene	1.3	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:20:00 AM
Lab ID:	1704N48-009	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Dibenzofuran	0.95	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Fluoranthene	9.0	4.1		mg/Kg-dry	241899	10	05/02/2017 23:39	YH
Fluorene	1.9	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Naphthalene	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Phenanthrene	3.8	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Phenol	BRL	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Pyrene	5.4	0.41		mg/Kg-dry	241899	1	05/02/2017 21:00	YH
Surr: 2,4,6-Tribromophenol	131	46.9-137		%REC	241899	1	05/02/2017 21:00	YH
Surr: 2-Fluorobiphenyl	102	50-115		%REC	241899	1	05/02/2017 21:00	YH
Surr: 2-Fluorophenol	88.7	41.2-105		%REC	241899	1	05/02/2017 21:00	YH
Surr: 4-Terphenyl-d14	108	51.9-126		%REC	241899	1	05/02/2017 21:00	YH
Surr: Nitrobenzene-d5	83.8	40.2-113		%REC	241899	1	05/02/2017 21:00	YH
Surr: Phenol-d5	86.5	45-109		%REC	241899	1	05/02/2017 21:00	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	1870	118		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Arsenic	BRL	8.87		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Barium	21.2	5.91		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Cadmium	BRL	0.06		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Chromium	7.40	1.18		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Cobalt	4.07	0.30		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Copper	7.53	1.18		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Lead	33.9	0.59		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Nickel	1.89	0.30		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Selenium	BRL	2.96		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Vanadium	6.97	2.96		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
Zinc	33.2	5.91		mg/Kg-dry	241842	10	05/03/2017 17:59	JR
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:05:00 AM
Lab ID:	1704N48-010	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Acetone	BRL	0.17		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
2-Butanone	BRL	0.084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
1,1,1-Trichloroethane	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Benzene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
1,2-Dichloroethane	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Trichloroethene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Toluene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Tetrachloroethene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Ethylbenzene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
m,p-Xylene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
o-Xylene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Styrene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
1,3,5-Trimethylbenzene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
1,2,4-Trimethylbenzene	BRL	0.0084		mg/Kg-dry	241997	1	05/02/2017 20:18	MD
Surr: 4-Bromofluorobenzene	88.9	63-125		%REC	241997	1	05/02/2017 20:18	MD
Surr: Dibromofluoromethane	82.4	69.9-123		%REC	241997	1	05/02/2017 20:18	MD
Surr: Toluene-d8	85.5	70-122		%REC	241997	1	05/02/2017 20:18	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.119		mg/Kg-dry	241892	1	05/02/2017 18:58	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Acenaphthylene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Anthracene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Benz(a)anthracene	0.45	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Benzo(a)pyrene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Benzo(b)fluoranthene	0.49	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Benzo(k)fluoranthene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Carbazole	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Chrysene	0.49	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:05:00 AM
Lab ID:	1704N48-010	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Fluoranthene	2.0	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Fluorene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Naphthalene	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Phenanthrene	0.57	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Phenol	BRL	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Pyrene	1.4	0.45		mg/Kg-dry	241899	1	05/02/2017 21:26	YH
Surr: 2,4,6-Tribromophenol	135	46.9-137		%REC	241899	1	05/02/2017 21:26	YH
Surr: 2-Fluorobiphenyl	101	50-115		%REC	241899	1	05/02/2017 21:26	YH
Surr: 2-Fluorophenol	86.9	41.2-105		%REC	241899	1	05/02/2017 21:26	YH
Surr: 4-Terphenyl-d14	111	51.9-126		%REC	241899	1	05/02/2017 21:26	YH
Surr: Nitrobenzene-d5	82.8	40.2-113		%REC	241899	1	05/02/2017 21:26	YH
Surr: Phenol-d5	85.9	45-109		%REC	241899	1	05/02/2017 21:26	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	1780	125		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Arsenic	BRL	9.36		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Barium	33.4	6.24		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Cadmium	BRL	0.06		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Chromium	13.2	1.25		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Cobalt	1.43	0.31		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Copper	5.65	1.25		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Lead	9.47	0.62		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Nickel	1.58	0.31		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Selenium	BRL	3.12		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Vanadium	7.72	3.12		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
Zinc	22.8	6.24		mg/Kg-dry	241842	10	05/03/2017 18:06	JR
PERCENT MOISTURE D2216								
Percent Moisture	26.4	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-9
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 9:50:00 AM
Lab ID:	1704N48-011	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Acetone	BRL	0.17		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
2-Butanone	BRL	0.083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
1,1,1-Trichloroethane	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Benzene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
1,2-Dichloroethane	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Trichloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Toluene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Tetrachloroethene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Ethylbenzene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
m,p-Xylene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
o-Xylene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Styrene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
1,3,5-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
1,2,4-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	241997	1	05/02/2017 20:42	MD
Surr: 4-Bromofluorobenzene	84	63-125		%REC	241997	1	05/02/2017 20:42	MD
Surr: Dibromofluoromethane	76.5	69.9-123		%REC	241997	1	05/02/2017 20:42	MD
Surr: Toluene-d8	84	70-122		%REC	241997	1	05/02/2017 20:42	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.120		mg/Kg-dry	241892	1	05/02/2017 19:05	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2,4,6-Trichlorophenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2,4-Dimethylphenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2-Chlorophenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2-Methylnaphthalene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
2-Methylphenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
3,4-Methylphenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
4-Chloro-3-methylphenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Acenaphthene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Acenaphthylene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Anthracene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Benz(a)anthracene	0.51	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Benzo(a)pyrene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Benzo(b)fluoranthene	0.53	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Benzo(k)fluoranthene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Carbazole	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Chrysene	0.63	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-9
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 9:50:00 AM
Lab ID:	1704N48-011	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Dibenzofuran	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Fluoranthene	3.2	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Fluorene	0.43	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Naphthalene	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Phenanthrene	1.8	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Phenol	BRL	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Pyrene	2.2	0.43		mg/Kg-dry	241899	1	05/02/2017 21:54	YH
Surr: 2,4,6-Tribromophenol	133	46.9-137		%REC	241899	1	05/02/2017 21:54	YH
Surr: 2-Fluorobiphenyl	104	50-115		%REC	241899	1	05/02/2017 21:54	YH
Surr: 2-Fluorophenol	92.9	41.2-105		%REC	241899	1	05/02/2017 21:54	YH
Surr: 4-Terphenyl-d14	111	51.9-126		%REC	241899	1	05/02/2017 21:54	YH
Surr: Nitrobenzene-d5	84.8	40.2-113		%REC	241899	1	05/02/2017 21:54	YH
Surr: Phenol-d5	89.3	45-109		%REC	241899	1	05/02/2017 21:54	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	2070	119		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Arsenic	BRL	8.95		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Barium	18.2	5.97		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Cadmium	BRL	0.06		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Chromium	7.23	1.19		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Cobalt	1.40	0.30		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Copper	13.8	1.19		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Lead	6.74	0.60		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Nickel	1.93	0.30		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Selenium	BRL	2.98		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Vanadium	8.07	2.98		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
Zinc	18.2	5.97		mg/Kg-dry	241842	10	05/03/2017 18:12	JR
PERCENT MOISTURE D2216								
Percent Moisture	23.8	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-10
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:35:00 AM
Lab ID:	1704N48-012	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Acetone	BRL	0.16		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
2-Butanone	BRL	0.078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
1,1,1-Trichloroethane	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Benzene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
1,2-Dichloroethane	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Trichloroethene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Toluene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Tetrachloroethene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Ethylbenzene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
m,p-Xylene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
o-Xylene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Styrene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
1,3,5-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
1,2,4-Trimethylbenzene	BRL	0.0078		mg/Kg-dry	241997	1	05/02/2017 21:06	MD
Surr: 4-Bromofluorobenzene	83.4	63-125		%REC	241997	1	05/02/2017 21:06	MD
Surr: Dibromofluoromethane	79.6	69.9-123		%REC	241997	1	05/02/2017 21:06	MD
Surr: Toluene-d8	85	70-122		%REC	241997	1	05/02/2017 21:06	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.107		mg/Kg-dry	241892	1	05/02/2017 19:08	AS
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Acenaphthene	0.60	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Anthracene	1.1	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Benz(a)anthracene	1.4	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Benzo(a)pyrene	0.41	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Benzo(b)fluoranthene	0.79	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Carbazole	0.46	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Chrysene	1.5	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-10
Project Name:	WC Meredith	**Collection Date:**	4/27/2017 10:35:00 AM
Lab ID:	1704N48-012	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Dibenzofuran	0.64	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Fluoranthene	8.0	3.9		mg/Kg-dry	241899	10	05/03/2017 00:58	YH
Fluorene	1.6	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Naphthalene	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Phenanthrene	1.7	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Phenol	BRL	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Pyrene	5.5	0.39		mg/Kg-dry	241899	1	05/02/2017 22:21	YH
Surr: 2,4,6-Tribromophenol	129	46.9-137		%REC	241899	1	05/02/2017 22:21	YH
Surr: 2-Fluorobiphenyl	98.1	50-115		%REC	241899	1	05/02/2017 22:21	YH
Surr: 2-Fluorophenol	80.6	41.2-105		%REC	241899	1	05/02/2017 22:21	YH
Surr: 4-Terphenyl-d14	105	51.9-126		%REC	241899	1	05/02/2017 22:21	YH
Surr: Nitrobenzene-d5	77.2	40.2-113		%REC	241899	1	05/02/2017 22:21	YH
Surr: Phenol-d5	81.6	45-109		%REC	241899	1	05/02/2017 22:21	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	2740	107		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Arsenic	BRL	8.03		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Barium	28.1	5.35		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Cadmium	BRL	0.05		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Chromium	24.8	1.07		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Cobalt	4.78	0.27		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Copper	6.09	1.07		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Lead	9.38	0.54		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Nickel	3.91	0.27		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Selenium	BRL	2.68		mg/Kg-dry	241842	10	05/04/2017 17:45	JR
Vanadium	11.9	2.68		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
Zinc	43.1	5.35		mg/Kg-dry	241842	10	05/03/2017 18:18	JR
PERCENT MOISTURE D2216								
Percent Moisture	15.5	0		wt%	R342111	1	05/03/2017 07:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 1
Project Name:	WC Meredith	**Collection Date:**	4/27/2017
Lab ID:	1704N48-013	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Acetone	BRL	50		ug/L	241922	1	05/01/2017 15:05	NP
2-Butanone	BRL	50		ug/L	241922	1	05/01/2017 15:05	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
1,2-Dichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 15:05	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:05	NP
Surr: 4-Bromofluorobenzene	77.1	66.1-129		%REC	241922	1	05/01/2017 15:05	NP
Surr: Dibromofluoromethane	113	83.6-123		%REC	241922	1	05/01/2017 15:05	NP
Surr: Toluene-d8	101	81.8-118		%REC	241922	1	05/01/2017 15:05	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 8-May-17

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 2
Project Name:	WC Meredith	**Collection Date:**	4/27/2017
Lab ID:	1704N48-014	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Acetone	BRL	50		ug/L	241922	1	05/01/2017 15:30	NP
2-Butanone	BRL	50		ug/L	241922	1	05/01/2017 15:30	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Benzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
1,2-Dichloroethane	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Trichloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Toluene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Tetrachloroethene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Ethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
m,p-Xylene	BRL	2.0		ug/L	241922	1	05/01/2017 15:30	NP
o-Xylene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Styrene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	241922	1	05/01/2017 15:30	NP
Surr: 4-Bromofluorobenzene	77.1	66.1-129		%REC	241922	1	05/01/2017 15:30	NP
Surr: Dibromofluoromethane	119	83.6-123		%REC	241922	1	05/01/2017 15:30	NP
Surr: Toluene-d8	103	81.8-118		%REC	241922	1	05/01/2017 15:30	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

AES | Analytical Environmental Services, Inc.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted?	○	○	○		

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241817

Sample ID: **MB-241817** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **05/01/2017** Run No: **341976**
BatchID: **241817** Analysis Date: **05/02/2017** Seq No: **7491682**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241817

Sample ID: **MB-241817**	Client ID:		Units: **ug/L**	Prep Date: **05/01/2017**	Run No: **341976**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **241817**	Analysis Date: **05/02/2017**	Seq No: **7491682**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	94.96	0	100.0		95.0	50	142				
Surr: 2-Fluorobiphenyl	44.67	0	50.00		89.3	46	124				
Surr: 2-Fluorophenol	52.10	0	100.0		52.1	25.3	120				
Surr: 4-Terphenyl-d14	50.43	0	50.00		101	45.1	133				
Surr: Nitrobenzene-d5	43.35	0	50.00		86.7	40.1	121				
Surr: Phenol-d5	32.82	0	100.0		32.8	16.3	120				

Sample ID: **LCS-241817**	Client ID:		Units: **ug/L**	Prep Date: **05/01/2017**	Run No: **341976**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **241817**	Analysis Date: **05/02/2017**	Seq No: **7491683**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	87.45	10	100.0		87.4	53.1	120				
4-Chloro-3-methylphenol	97.46	10	100.0		97.5	65.6	126				
Acenaphthene	98.83	10	100.0		98.8	64.1	121				
Pentachlorophenol	54.52	25	100.0		54.5	50.2	131				
Phenol	34.93	10	100.0		34.9	25	120				
Pyrene	109.5	10	100.0		110	70.5	134				
Surr: 2,4,6-Tribromophenol	110.8	0	100.0		111	50	142				
Surr: 2-Fluorobiphenyl	47.93	0	50.00		95.9	46	124				
Surr: 2-Fluorophenol	55.47	0	100.0		55.5	25.3	120				
Surr: 4-Terphenyl-d14	56.59	0	50.00		113	45.1	133				
Surr: Nitrobenzene-d5	46.66	0	50.00		93.3	40.1	121				
Surr: Phenol-d5	38.25	0	100.0		38.2	16.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241817

Sample ID: **1704O19-005FMS** Client ID: Units: **ug/L** Prep Date: **05/01/2017** Run No: **341976**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **241817** Analysis Date: **05/02/2017** Seq No: **7491685**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	83.20	10	100.0		83.2	50.8	120				
4-Chloro-3-methylphenol	85.22	10	100.0		85.2	47.1	124				
Acenaphthene	86.53	10	100.0		86.5	44.7	119				
Pentachlorophenol	48.59	25	100.0		48.6	40	120				
Phenol	47.36	10	100.0		47.4	31.5	120				
Pyrene	97.42	10	100.0		97.4	51	129				
Surr: 2,4,6-Tribromophenol	97.39	0	100.0		97.4	50	142				
Surr: 2-Fluorobiphenyl	42.73	0	50.00		85.5	46	124				
Surr: 2-Fluorophenol	65.13	0	100.0		65.1	25.3	120				
Surr: 4-Terphenyl-d14	49.24	0	50.00		98.5	45.1	133				
Surr: Nitrobenzene-d5	43.77	0	50.00		87.5	40.1	121				
Surr: Phenol-d5	53.02	0	100.0		53.0	16.3	120				

Sample ID: **1704O19-005FMSD** Client ID: Units: **ug/L** Prep Date: **05/01/2017** Run No: **341976**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **241817** Analysis Date: **05/02/2017** Seq No: **7491686**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	73.48	10	100.0		73.5	50.8	120	83.20	12.4	24.8	
4-Chloro-3-methylphenol	84.68	10	100.0		84.7	47.1	124	85.22	0.636	20.7	
Acenaphthene	86.12	10	100.0		86.1	44.7	119	86.53	0.475	20.5	
Pentachlorophenol	45.53	25	100.0		45.5	40	120	48.59	6.50	30.7	
Phenol	39.78	10	100.0		39.8	31.5	120	47.36	17.4	28.5	
Pyrene	96.31	10	100.0		96.3	51	129	97.42	1.15	24.8	
Surr: 2,4,6-Tribromophenol	89.87	0	100.0		89.9	50	142	97.39	0	0	
Surr: 2-Fluorobiphenyl	40.41	0	50.00		80.8	46	124	42.73	0	0	
Surr: 2-Fluorophenol	55.48	0	100.0		55.5	25.3	120	65.13	0	0	
Surr: 4-Terphenyl-d14	49.02	0	50.00		98.0	45.1	133	49.24	0	0	
Surr: Nitrobenzene-d5	38.94	0	50.00		77.9	40.1	121	43.77	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241817

Sample ID: **1704O19-005FMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **05/01/2017** Run No: **341976**
BatchID: **241817** Analysis Date: **05/02/2017** Seq No: **7491686**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	44.04	0	100.0		44.0	16.3	120	53.02	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241842

Sample ID: **MB-241842** Client ID: Units: **ug/Kg** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7489717**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	10000									
Arsenic	BRL	7500									
Barium	BRL	500									
Cadmium	BRL	50.0									
Chromium	BRL	1000									
Cobalt	BRL	250									
Copper	289.2	100									B
Lead	BRL	50.0									
Nickel	BRL	250									
Selenium	BRL	2500									
Zinc	BRL	500									

Sample ID: **MB-241842** Client ID: Units: **ug/Kg** Prep Date: **05/01/2017** Run No: **342214**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7496831**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	BRL	250									

Sample ID: **LCS-241842** Client ID: Units: **ug/Kg** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7489723**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	41070	10000	50000		82.1	80	120				
Arsenic	5033	1500	5000		101	80	120				
Barium	4609	500	5000		92.2	80	120				
Cadmium	4784	50.0	5000		95.7	80	120				
Chromium	5042	1000	5000	88.23	99.1	80	120				
Cobalt	5241	250	5000		105	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241842

Sample ID: **LCS-241842** Client ID: Units: **ug/Kg** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7489723**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	4737	100	5000	289.2	89.0	80	120				B
Lead	5538	50.0	5000		111	80	120				
Nickel	5259	250	5000		105	80	120				
Selenium	4619	2500	5000		92.4	80	120				
Zinc	4411	500	5000	366.1	80.9	80	120				

Sample ID: **LCS-241842** Client ID: Units: **ug/Kg** Prep Date: **05/01/2017** Run No: **342214**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7496838**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	4986	250	5000	69.21	98.3	80	120				

Sample ID: **1704O50-002AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7489719**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	7.054	5.17	5.175	1.740	103	75	125				
Barium	16.16	0.52	5.175	7.629	165	75	125				S
Cadmium	4.912	0.26	5.175		94.9	75	125				
Chromium	8.500	5.17	5.175	3.500	96.6	75	125				
Cobalt	5.604	1.29	5.175	0.1723	105	75	125				
Copper	5.509	0.52	5.175	0.4489	97.8	75	125				
Lead	9.075	0.26	5.175	3.845	101	75	125				
Nickel	6.819	1.29	5.175	0.6714	119	75	125				
Selenium	4.590	2.59	5.175	0.3360	82.2	75	125				
Zinc	8.060	2.59	5.175	2.880	100	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241842

Sample ID: **1704O50-002AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **342214**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7496834**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	19.37	1.29	5.175	9.327	194	75	125				S

Sample ID: **1704O50-002AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/04/2017** Seq No: **7498434**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	2084	51.7	51.75	2796	-1380	75	125				S

Sample ID: **1704O50-002AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **341934**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7489720**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	8.187	7.76	5.173	1.740	125	75	125	7.054	14.9	20	
Barium	14.23	0.52	5.173	7.629	128	75	125	16.16	12.7	20	S
Cadmium	5.045	0.26	5.173		97.5	75	125	4.912	2.67	20	
Chromium	11.97	5.17	5.173	3.500	164	75	125	8.500	33.9	20	SR
Cobalt	5.672	1.29	5.173	0.1723	106	75	125	5.604	1.22	20	
Copper	5.484	0.52	5.173	0.4489	97.3	75	125	5.509	0.452	20	
Lead	9.208	0.26	5.173	3.845	104	75	125	9.075	1.45	20	
Nickel	7.285	1.29	5.173	0.6714	128	75	125	6.819	6.61	20	S
Selenium	4.398	2.59	5.173	0.3360	78.5	75	125	4.590	4.26	20	
Zinc	7.904	2.59	5.173	2.880	97.1	75	125	8.060	1.95	20	

Sample ID: **1704O50-002AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **342214**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **241842** Analysis Date: **05/01/2017** Seq No: **7496835**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	25.76	1.29	5.173	9.327	318	75	125	19.37	28.3	20	SR

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241842

Sample ID: **1704O50-002AMSD** Client ID:
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B**
Units: **mg/Kg-dry** Prep Date: **05/01/2017** Run No: **341934**
BatchID: **241842** Analysis Date: **05/04/2017** Seq No: **7498435**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	2264	51.7	51.73	2796	-1030	75	125	2084	8.30	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241892

Sample ID: **MB-241892**	Client ID:			Units: **mg/Kg**	Prep Date: **05/02/2017**	Run No: **342054**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **241892**	Analysis Date: **05/02/2017**	Seq No: **7492596**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-241892**	Client ID:			Units: **mg/Kg**	Prep Date: **05/02/2017**	Run No: **342054**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **241892**	Analysis Date: **05/02/2017**	Seq No: **7492597**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4055	0.100	0.4000		101	80	120				

Sample ID: **1704N59-003CMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **05/02/2017**	Run No: **342054**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **241892**	Analysis Date: **05/02/2017**	Seq No: **7492599**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4809	0.116	0.4659	0.04634	93.3	70	130				

Sample ID: **1704N59-003CMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **05/02/2017**	Run No: **342054**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **241892**	Analysis Date: **05/02/2017**	Seq No: **7492600**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4872	0.116	0.4623	0.04634	95.4	70	130	0.4809	1.30	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241922

Sample ID: **MB-241922** Client ID: Units: **ug/L** Prep Date: **05/01/2017** Run No: **341902**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **241922** Analysis Date: **05/01/2017** Seq No: **7490048**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	40.08	0	50.00		80.2	66.1	129				
Surr: Dibromofluoromethane	55.04	0	50.00		110	83.6	123				
Surr: Toluene-d8	50.48	0	50.00		101	81.8	118				

Sample ID: **LCS-241922** Client ID: Units: **ug/L** Prep Date: **05/01/2017** Run No: **341902**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **241922** Analysis Date: **05/01/2017** Seq No: **7490047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	45.13	5.0	50.00		90.3	68	139				
Benzene	43.20	5.0	50.00		86.4	74	125				
Toluene	44.60	5.0	50.00		89.2	75.9	126				
Trichloroethene	41.40	5.0	50.00		82.8	70.6	129				
Surr: 4-Bromofluorobenzene	41.01	0	50.00		82.0	66.1	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241922

Sample ID: **LCS-241922** Client ID: Units: **ug/L** Prep Date: **05/01/2017** Run No: **341902**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **241922** Analysis Date: **05/01/2017** Seq No: **7490047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	53.80	0	50.00		108	83.6	123				
Surr: Toluene-d8	49.43	0	50.00		98.9	81.8	118				

Sample ID: **1704N48-004AMS** Client ID: **SW-8** Units: **ug/L** Prep Date: **05/01/2017** Run No: **341902**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **241922** Analysis Date: **05/01/2017** Seq No: **7490057**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.23	5.0	50.00		92.5	64.3	149				
Benzene	42.61	5.0	50.00		85.2	71.6	132				
Toluene	43.79	5.0	50.00		87.6	72.5	135				
Trichloroethene	41.27	5.0	50.00		82.5	70.2	132				
Surr: 4-Bromofluorobenzene	40.63	0	50.00		81.3	66.1	129				
Surr: Dibromofluoromethane	51.67	0	50.00		103	83.6	123				
Surr: Toluene-d8	48.70	0	50.00		97.4	81.8	118				

Sample ID: **1704N48-004AMSD** Client ID: **SW-8** Units: **ug/L** Prep Date: **05/01/2017** Run No: **341902**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **241922** Analysis Date: **05/01/2017** Seq No: **7490058**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.11	5.0	50.00		92.2	64.3	149	46.23	0.260	30.8	
Benzene	42.24	5.0	50.00		84.5	71.6	132	42.61	0.872	20.7	
Toluene	44.18	5.0	50.00		88.4	72.5	135	43.79	0.887	23.2	
Trichloroethene	40.07	5.0	50.00		80.1	70.2	132	41.27	2.95	27.7	
Surr: 4-Bromofluorobenzene	40.22	0	50.00		80.4	66.1	129	40.63	0	0	
Surr: Dibromofluoromethane	52.43	0	50.00		105	83.6	123	51.67	0	0	
Surr: Toluene-d8	47.57	0	50.00		95.1	81.8	118	48.70	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241994

Sample ID: **MB-241994**	Client ID:			Units: **mg/L**	Prep Date: **05/03/2017**	Run No: **342127**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**			BatchID: **241994**	Analysis Date: **05/04/2017**	Seq No: **7498441**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-241994**	Client ID:			Units: **mg/L**	Prep Date: **05/03/2017**	Run No: **342127**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**			BatchID: **241994**	Analysis Date: **05/04/2017**	Seq No: **7498444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004025	0.00020	0.0040	0.00006966	98.9	80	120				

Sample ID: **1704N48-002CMS**	Client ID: **SW-6**			Units: **mg/L**	Prep Date: **05/03/2017**	Run No: **342127**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**			BatchID: **241994**	Analysis Date: **05/04/2017**	Seq No: **7498451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004028	0.00020	0.0040	0.00007226	98.9	70	130				

Sample ID: **1704N48-002CMSD**	Client ID: **SW-6**			Units: **mg/L**	Prep Date: **05/03/2017**	Run No: **342127**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**			BatchID: **241994**	Analysis Date: **05/04/2017**	Seq No: **7498453**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003939	0.00020	0.0040	0.00007226	96.7	70	130	0.004028	2.24	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241997

Sample ID: **MB-241997**	Client ID:		Units: **ug/Kg**	Prep Date: **05/02/2017**	Run No: **342086**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **241997**	Analysis Date: **05/02/2017**	Seq No: **7493823**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	40.43	0	50.00		80.9	63	125				
Surr: Dibromofluoromethane	45.20	0	50.00		90.4	69.9	123				
Surr: Toluene-d8	43.74	0	50.00		87.5	70	122				

Sample ID: **LCS-241997**	Client ID:		Units: **ug/Kg**	Prep Date: **05/02/2017**	Run No: **342086**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **241997**	Analysis Date: **05/02/2017**	Seq No: **7494028**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.42	5.0	50.00		84.8	62	142				
Benzene	45.85	5.0	50.00		91.7	70.2	131				
Toluene	44.29	5.0	50.00		88.6	70.6	131				
Trichloroethene	45.81	5.0	50.00		91.6	70.1	136				
Surr: 4-Bromofluorobenzene	41.19	0	50.00		82.4	63	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 241997

Sample ID: **LCS-241997**	Client ID:				Units: **ug/Kg**		Prep Date: **05/02/2017**		Run No: **342086**	
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**				BatchID: **241997**		Analysis Date: **05/02/2017**		Seq No: **7494028**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	43.08	0	50.00		86.2	69.9	123				
Surr: Toluene-d8	44.00	0	50.00		88.0	70	122				

Sample ID: **1705041-001AMS**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **05/02/2017**		Run No: **342086**	
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**				BatchID: **241997**		Analysis Date: **05/02/2017**		Seq No: **7493866**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04827	0.0069	0.0692		69.8	55	143				
Benzene	0.05547	0.0069	0.0692		80.2	68.5	128				
Toluene	0.05400	0.0069	0.0692		78.1	66.9	128				
Trichloroethene	0.05343	0.0069	0.0692		77.2	60.7	133				
Surr: 4-Bromofluorobenzene	0.05494	0	0.0692		79.4	63	125				
Surr: Dibromofluoromethane	0.05289	0	0.0692		76.5	69.9	123				
Surr: Toluene-d8	0.05830	0	0.0692		84.3	70	122				

Sample ID: **1705041-001AMSD**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **05/02/2017**		Run No: **342086**	
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**				BatchID: **241997**		Analysis Date: **05/02/2017**		Seq No: **7493867**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05472	0.0069	0.0692		79.1	55	143	0.04827	12.5	19.3	
Benzene	0.05929	0.0069	0.0692		85.7	68.5	128	0.05547	6.66	20	
Toluene	0.05605	0.0069	0.0692		81.0	66.9	128	0.05400	3.72	20	
Trichloroethene	0.05763	0.0069	0.0692		83.3	60.7	133	0.05343	7.55	20	
Surr: 4-Bromofluorobenzene	0.05970	0	0.0692		86.3	63	125	0.05494	0	0	
Surr: Dibromofluoromethane	0.05670	0	0.0692		82.0	69.9	123	0.05289	0	0	
Surr: Toluene-d8	0.05922	0	0.0692		85.6	70	122	0.05830	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 242012

Sample ID: **MB-242012**	Client ID:			Units: **ug/L**	Prep Date: **05/04/2017**	Run No: **342406**
SampleType: **MBLK**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **242012**	Analysis Date: **05/06/2017**	Seq No: **7501571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cadmium	BRL	0.700									

Sample ID: **MB-242012**	Client ID:			Units: **ug/L**	Prep Date: **05/04/2017**	Run No: **342418**
SampleType: **MBLK**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **242012**	Analysis Date: **05/05/2017**	Seq No: **7501889**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	50.0									
Arsenic	BRL	5.00									
Barium	BRL	10.0									
Cadmium	BRL	0.700									
Chromium	BRL	5.00									
Cobalt	BRL	5.00									
Copper	BRL	2.00									
Lead	BRL	1.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	10.0									

Sample ID: **LCS-242012**	Client ID:			Units: **ug/L**	Prep Date: **05/04/2017**	Run No: **342406**
SampleType: **LCS**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **242012**	Analysis Date: **05/06/2017**	Seq No: **7501572**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cadmium	106.5	0.700	100.0		106	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 242012

Sample ID: **LCS-242012** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342418**
SampleType: **LCS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **242012** Analysis Date: **05/05/2017** Seq No: **7501890**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1082	50.0	1000		108	80	120				
Arsenic	99.60	5.00	100.0		99.6	80	120				
Barium	100.0	10.0	100.0		100	80	120				
Cadmium	96.48	0.700	100.0		96.5	80	120				
Chromium	101.2	5.00	100.0	0.2652	101	80	120				
Cobalt	103.7	5.00	100.0		104	80	120				
Copper	103.2	2.00	100.0	0.3975	103	80	120				
Lead	102.6	1.00	100.0		103	80	120				
Nickel	102.8	5.00	100.0		103	80	120				
Selenium	108.3	5.00	100.0	1.489	107	80	120				
Vanadium	101.4	5.00	100.0		101	80	120				
Zinc	96.58	10.0	100.0		96.6	80	120				

Sample ID: **1704N48-001CMS** Client ID: **SW-5** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342406**
SampleType: **MS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **242012** Analysis Date: **05/06/2017** Seq No: **7501574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cadmium	105.5	0.700	100.0		106	75	125				

Sample ID: **1704N48-001CMS** Client ID: **SW-5** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342418**
SampleType: **MS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **242012** Analysis Date: **05/05/2017** Seq No: **7501892**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1302	50.0	1000	350.2	95.2	75	125				
Arsenic	101.6	5.00	100.0	1.628	99.9	75	125				
Barium	182.9	10.0	100.0	87.23	95.6	75	125				
Cadmium	95.20	0.700	100.0		95.2	75	125				
Chromium	101.7	5.00	100.0	0.6355	101	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 242012

Sample ID: **1704N48-001CMS**	Client ID: **SW-5**				Units: **ug/L**		Prep Date: **05/04/2017**		Run No: **342418**
SampleType: **MS**	TestCode: **Total Metals by ICP/MS SW6020B**				BatchID: **242012**		Analysis Date: **05/05/2017**		Seq No: **7501892**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	112.9	5.00	100.0	10.50	102	75	125				
Copper	96.81	2.00	100.0	0.9312	95.9	75	125				
Lead	103.2	1.00	100.0	0.5052	103	75	125				
Nickel	102.2	5.00	100.0	1.087	101	75	125				
Selenium	95.13	5.00	100.0	3.324	91.8	75	125				
Vanadium	102.4	5.00	100.0	0.4284	102	75	125				
Zinc	121.0	10.0	100.0	33.20	87.8	75	125				

Sample ID: **1704N48-001CMSD**	Client ID: **SW-5**				Units: **ug/L**		Prep Date: **05/04/2017**		Run No: **342406**
SampleType: **MSD**	TestCode: **Total Metals by ICP/MS SW6020B**				BatchID: **242012**		Analysis Date: **05/06/2017**		Seq No: **7501575**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cadmium	106.0	0.700	100.0		106	75	125	105.5	0.473	20	

Sample ID: **1704N48-001CMSD**	Client ID: **SW-5**				Units: **ug/L**		Prep Date: **05/04/2017**		Run No: **342418**
SampleType: **MSD**	TestCode: **Total Metals by ICP/MS SW6020B**				BatchID: **242012**		Analysis Date: **05/05/2017**		Seq No: **7501893**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1308	50.0	1000	350.2	95.8	75	125	1302	0.435	20	
Arsenic	100.3	5.00	100.0	1.628	98.6	75	125	101.6	1.29	20	
Barium	189.4	10.0	100.0	87.23	102	75	125	182.9	3.51	20	
Cadmium	94.30	0.700	100.0		94.3	75	125	95.20	0.943	20	
Chromium	100.3	5.00	100.0	0.6355	99.6	75	125	101.7	1.39	20	
Cobalt	112.6	5.00	100.0	10.50	102	75	125	112.9	0.305	20	
Copper	100.4	2.00	100.0	0.9312	99.5	75	125	96.81	3.67	20	
Lead	105.6	1.00	100.0	0.5052	105	75	125	103.2	2.30	20	
Nickel	101.4	5.00	100.0	1.087	100	75	125	102.2	0.774	20	
Selenium	92.78	5.00	100.0	3.324	89.5	75	125	95.13	2.51	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 242012

Sample ID: **1704N48-001CMSD** Client ID: **SW-5** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342418**
SampleType: **MSD** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **242012** Analysis Date: **05/05/2017** Seq No: **7501893**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	101.3	5.00	100.0	0.4284	101	75	125	102.4	1.08	20	
Zinc	123.0	10.0	100.0	33.20	89.8	75	125	121.0	1.62	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1704N48

ANALYTICAL QC SUMMARY REPORT

BatchID: 242080

Sample ID: **MB-242080**	Client ID:			Units: **mg/L**	Prep Date: **05/04/2017**	Run No: **342324**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**			BatchID: **242080**	Analysis Date: **05/05/2017**	Seq No: **7499796**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-242080**	Client ID:			Units: **mg/L**	Prep Date: **05/04/2017**	Run No: **342324**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**			BatchID: **242080**	Analysis Date: **05/05/2017**	Seq No: **7499797**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004042	0.00020	0.0040		101	80	120				

Sample ID: **1704N48-003CMS**	Client ID: **SW-7**			Units: **mg/L**	Prep Date: **05/04/2017**	Run No: **342324**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**			BatchID: **242080**	Analysis Date: **05/05/2017**	Seq No: **7499799**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004019	0.00020	0.0040		100	70	130				

Sample ID: **1704N48-003CMSD**	Client ID: **SW-7**			Units: **mg/L**	Prep Date: **05/04/2017**	Run No: **342324**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**			BatchID: **242080**	Analysis Date: **05/05/2017**	Seq No: **7499800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004129	0.00020	0.0040		103	70	130	0.004019	2.70	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 26, 2018

Kenneth C. Summerour
Envirorisk Consultants

601 S. Madison Ave
Monroe GA 30655

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1811D35

Analytical Environmental Services, Inc. received 40 samples on 11/14/2018 6:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1811035

Date: 11/14/18 Page 1 of 3

COMPANY: ENVIRORISK CONSULTANTS, INC.	ADDRESS: 533 S. MADISON AVE MONROE GA 30655
PHONE: 678-635-7360	EMAIL: jchappell@eriskinc.com
SAMPLED BY: JASON CHAPPELL	SIGNATURE:

ANALYSIS REQUESTED: 8260 - SIM - specify; 8270 - SIM - specify; Metals - specify

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)	REMARKS	Number of Containers
1	PB-1A	11/14/18	950	✓		SW	✓ ✓ ✓		5
2	PB-1A		955	✓		SE	✓ ✓ ✓		6
3	PB-1		1015	✓		SW	✓ ✓ ✓		5
4	PB-1		1020	✓		SE	✓ ✓ ✓		6
5	PB-2		1045	✓		SW	✓ ✓ ✓		5
6	PB-2		1050	✓		SE	✓ ✓ ✓		6
7	PB-4A		1115	✓		SW	✓ ✓ ✓		5
8	PB-4A		1120	✓		SE	✓ ✓ ✓		6
9	PB-4B		1130	✓		SW	✓ ✓ ✓		5
10	PB-4B		1135	✓		SE	✓ ✓ ✓		6
11	PB-4		1145	✓		SW	✓ ✓ ✓		5
12	PB-4		1150	✓		SE	✓ ✓ ✓		6
13	LY-1		1215	✓		SW	✓ ✓ ✓		5
14	LY-1		1220	✓		SE	✓ ✓ ✓		6

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	11/14/18 1800	1.	11/14/18 6:00p
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
Client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: WC Meredith
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GA
SEND REPORT TO: Jason Chappell
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1811D35

Date: 11/14/18 Page 2 of 3

COMPANY:	ADDRESS:
ENVIRORISK CONSULTANTS, INC.	533 S MADISON AVE MONROE, GA 30655
PHONE: 678-635-7360	EMAIL: jchappell@eriskinc.com
SAMPLED BY: JASON CHAPPELL	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260 - Site Specific	8270 - Site Specific	Metals - Site Specific	PRESERVATION (see codes): H+I	I	H+I	REMARKS	Number of Containers
1	PB-3	11/14/18	1255	✓	SE	SW								5
2	PB-3		1300	✓	SE	SE								6
3	OUTFALL-3		1325	✓	SW	SW								5
4	OUTFALL-3		1330	✓	SE	SE								6
5	OUTFALL-4		1355	✓	SW	SW								5
6	OUTFALL-4		1400	✓	SE	SE								6
7	OUTFALL-5		1420	✓	SW	SW								5
8	OUTFALL-5		1425	✓	SE	SE								6
9	SW-9		1500	✓	SW	SW								5
10	SED-9		1505	✓	SE	SE								6
11	SW-8		1520	✓	SW	SW								5
12	SED-8		1525	✓	SE	SE								6
13	SW-7		1540	✓	SW	SW								5
14	SED-7		1545	✓	SE	SE								6

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	11/14/18 1800	1. Myles 11/14/18 6:00p	
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: WC Meredith
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GA
SEND REPORT TO: JASON CHAPPELL
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

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Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1811035

Date: 11/14/18 Page 3 of 3

COMPANY: ENVIROCIVIL CONSULTANTS, INC
ADDRESS: 533 S. MADISON AVE MONROE, GA 30655
PHONE: 678-625-7360
EMAIL: jchappell@enviroinc.com
SAMPLED BY: JASON CHAPPELL
SIGNATURE:

ANALYSIS REQUESTED: 8260 - site specific; 8270 - site specific; Metals - site specific

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

PRESERVATION (see codes): H+I; I; N

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	REMARKS	Number of Containers
1	SW-10	11/14/18	1600	✓		SW		5
2	SED-10		1605	✓		SE		6
3	SW-6		1620	✓		SW		5
4	SED-6		1625	✓		SE		6
5	SW-5		1640	✓		SW		5
6	SED-5		1645	✓		SE		6
7	OUTFALL-2		1705	✓		SW		5
8	OUTFALL-2	↓	1710	✓		SE		6
9								
10								
11								
12								
13								
14								

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	11/14/18 1600	1.	11/14/18 1630
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: WC Meredith
PROJECT #: EP-437
SITE ADDRESS: EAST POINT, GA
SEND REPORT TO: JASON CHAPPELL
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

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Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *26-Nov-18*

CLIENT: Envirorisk Consultants
Project: WC Meredith
Lab Order: 1811D35

CASE NARRATIVE

Sample Receiving Non-conformance:

Trip Blanks were provided but not listed on the Chain of Custody. Trip Blanks analyzed at no cost to the client.

Semi-Volatiles Organic Compounds Analysis by Method SW8270D:

Due to sample matrix, samples 1811D35-001A, 003A & 005A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Volatile Organic Compounds Analysis by Method SW8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1811D35-004A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Acetone value for sample 1811D35-018A is "E" qualified indicating estimated values over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol vial at the minimum dilution allowed resulting in analytes not matching due to suspected non-homogenous sample matrix.

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 9:50:00 AM
Lab ID:	1811D35-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Acetone	BRL	50		ug/L	270405	1	11/20/2018 02:29	BK
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 02:29	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 02:29	BK
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:29	BK
Surr: 4-Bromofluorobenzene	98.4	68-127		%REC	270405	1	11/20/2018 02:29	BK
Surr: Dibromofluoromethane	98.1	84.4-122		%REC	270405	1	11/20/2018 02:29	BK
Surr: Toluene-d8	96.6	80.1-116		%REC	270405	1	11/20/2018 02:29	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	16900	50.0		ug/L	270319	1	11/19/2018 16:23	KP
Arsenic	28.4	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Barium	155	10.0		ug/L	270319	1	11/16/2018 20:29	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:29	KP
Chromium	54.1	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Cobalt	8.98	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Copper	104	2.00		ug/L	270319	1	11/16/2018 20:29	KP
Lead	101	1.00		ug/L	270319	1	11/16/2018 20:29	KP
Nickel	15.7	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Vanadium	51.3	5.00		ug/L	270319	1	11/16/2018 20:29	KP
Zinc	230	10.0		ug/L	270319	1	11/16/2018 20:29	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	100	50		ug/L	270289	5	11/16/2018 12:57	YH
2,4,6-Trichlorophenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
2,4-Dimethylphenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
2,4-Dinitrophenol	BRL	130		ug/L	270289	5	11/16/2018 12:57	YH
2-Chlorophenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
2-Methylnaphthalene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
2-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 9:50:00 AM
Lab ID:	1811D35-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
4-Chloro-3-methylphenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Acenaphthene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Acenaphthylene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Anthracene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Benz(a)anthracene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Benzo(a)pyrene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Benzo(b)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Benzo(k)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Carbazole	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Chrysene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Dibenz(a,h)anthracene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Dibenzofuran	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Fluorene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Indeno(1,2,3-cd)pyrene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Naphthalene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Pentachlorophenol	950	630		ug/L	270289	25	11/16/2018 20:31	YH
Phenanthrene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Phenol	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Pyrene	BRL	50		ug/L	270289	5	11/16/2018 12:57	YH
Surr: 2,4,6-Tribromophenol	77.5	47-127		%REC	270289	5	11/16/2018 12:57	YH
Surr: 2-Fluorobiphenyl	75.5	47.4-119		%REC	270289	5	11/16/2018 12:57	YH
Surr: 2-Fluorophenol	31.2	26.2-120		%REC	270289	5	11/16/2018 12:57	YH
Surr: 4-Terphenyl-d14	70.8	45-133		%REC	270289	5	11/16/2018 12:57	YH
Surr: Nitrobenzene-d5	68.7	41.9-121		%REC	270289	5	11/16/2018 12:57	YH
Surr: Phenol-d5	20.2	17.8-120		%REC	270289	5	11/16/2018 12:57	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:04	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 9:55:00 AM
Lab ID:	1811D35-002	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Acetone	BRL	0.16		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
2-Butanone	BRL	0.079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
1,1,1-Trichloroethane	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Benzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
1,2-Dichloroethane	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Trichloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Toluene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Tetrachloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Ethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
m,p-Xylene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
o-Xylene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Styrene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
1,3,5-Trimethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
1,2,4-Trimethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 15:38	JB
Surr: 4-Bromofluorobenzene	82.8	65.1-125		%REC	270579	1	11/21/2018 15:38	JB
Surr: Dibromofluoromethane	97	77.7-123		%REC	270579	1	11/21/2018 15:38	JB
Surr: Toluene-d8	98.1	83.2-120		%REC	270579	1	11/21/2018 15:38	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.126		mg/Kg-dry	270302	1	11/19/2018 11:59	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	0.60	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Benzo(b)fluoranthene	0.59	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Carbazole	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Chrysene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 9:55:00 AM
Lab ID:	1811D35-002	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Fluoranthene	0.49	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Fluorene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Naphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Pentachlorophenol	6.4	3.1		mg/Kg-dry	270266	5	11/21/2018 11:46	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Phenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Pyrene	0.56	0.41		mg/Kg-dry	270266	1	11/19/2018 17:29	YH
Surr: 2,4,6-Tribromophenol	50.5	48.2-133		%REC	270266	1	11/19/2018 17:29	YH
Surr: 2-Fluorobiphenyl	47.8	50.2-120	S	%REC	270266	1	11/19/2018 17:29	YH
Surr: 2-Fluorophenol	40.4	41.6-120	S	%REC	270266	1	11/19/2018 17:29	YH
Surr: 4-Terphenyl-d14	46	52.1-122	S	%REC	270266	1	11/19/2018 17:29	YH
Surr: Nitrobenzene-d5	44.9	41.4-120		%REC	270266	1	11/19/2018 17:29	YH
Surr: Phenol-d5	42.6	45.7-120	S	%REC	270266	1	11/19/2018 17:29	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	5740	193		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Arsenic	BRL	145		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Barium	58.6	9.65		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Cadmium	BRL	0.96		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Chromium	26.1	19.3		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Cobalt	BRL	4.83		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Copper	28.5	1.93		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Lead	31.8	0.96		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Nickel	7.68	4.83		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Selenium	BRL	48.3		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Vanadium	33.7	4.83		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
Zinc	105	9.65		mg/Kg-dry	269291	20	11/16/2018 22:04	KP
PERCENT MOISTURE D2216								
Percent Moisture	20.4	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:15:00 AM
Lab ID:	1811D35-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Acetone	BRL	50		ug/L	270405	1	11/20/2018 02:54	BK
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 02:54	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 02:54	BK
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 02:54	BK
Surr: 4-Bromofluorobenzene	95.1	68-127		%REC	270405	1	11/20/2018 02:54	BK
Surr: Dibromofluoromethane	96.4	84.4-122		%REC	270405	1	11/20/2018 02:54	BK
Surr: Toluene-d8	98.5	80.1-116		%REC	270405	1	11/20/2018 02:54	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	13200	50.0		ug/L	270319	1	11/19/2018 16:26	KP
Arsenic	23.9	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Barium	129	10.0		ug/L	270319	1	11/16/2018 20:32	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:32	KP
Chromium	43.4	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Cobalt	7.51	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Copper	91.7	2.00		ug/L	270319	1	11/16/2018 20:32	KP
Lead	90.3	1.00		ug/L	270319	1	11/16/2018 20:32	KP
Nickel	13.2	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Vanadium	43.7	5.00		ug/L	270319	1	11/16/2018 20:32	KP
Zinc	201	10.0		ug/L	270319	1	11/16/2018 20:32	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	100	50		ug/L	270289	5	11/16/2018 13:23	YH
2,4,6-Trichlorophenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
2,4-Dimethylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
2,4-Dinitrophenol	BRL	130		ug/L	270289	5	11/16/2018 13:23	YH
2-Chlorophenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
2-Methylnaphthalene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
2-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:15:00 AM
Lab ID:	1811D35-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
4-Chloro-3-methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Acenaphthene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Acenaphthylene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Benz(a)anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Benzo(a)pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Benzo(b)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Benzo(k)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Carbazole	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Chrysene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Dibenz(a,h)anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Dibenzofuran	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Fluorene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Indeno(1,2,3-cd)pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Naphthalene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Pentachlorophenol	940	630		ug/L	270289	25	11/16/2018 20:56	YH
Phenanthrene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Phenol	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:23	YH
Surr: 2,4,6-Tribromophenol	78.1	47-127		%REC	270289	5	11/16/2018 13:23	YH
Surr: 2-Fluorobiphenyl	63.7	47.4-119		%REC	270289	5	11/16/2018 13:23	YH
Surr: 2-Fluorophenol	28	26.2-120		%REC	270289	5	11/16/2018 13:23	YH
Surr: 4-Terphenyl-d14	62	45-133		%REC	270289	5	11/16/2018 13:23	YH
Surr: Nitrobenzene-d5	48.5	41.9-121		%REC	270289	5	11/16/2018 13:23	YH
Surr: Phenol-d5	18.2	17.8-120		%REC	270289	5	11/16/2018 13:23	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:07	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:20:00 AM
Lab ID:	1811D35-004	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Acetone	0.25	0.17		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
2-Butanone	BRL	0.086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
1,1,1-Trichloroethane	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Benzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
1,2-Dichloroethane	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Trichloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Toluene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Tetrachloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Ethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
m,p-Xylene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
o-Xylene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Styrene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
1,3,5-Trimethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
1,2,4-Trimethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 16:03	JB
Surr: 4-Bromofluorobenzene	77.9	65.1-125		%REC	270579	1	11/21/2018 16:03	JB
Surr: Dibromofluoromethane	100	77.7-123		%REC	270579	1	11/21/2018 16:03	JB
Surr: Toluene-d8	96	83.2-120		%REC	270579	1	11/21/2018 16:03	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	0.343	0.127		mg/Kg-dry	270302	1	11/19/2018 12:07	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	0.45	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Acenaphthylene	0.44	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Anthracene	0.95	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Benz(a)anthracene	1.2	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Benzo(a)pyrene	1.9	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Benzo(b)fluoranthene	4.3	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Benzo(k)fluoranthene	0.74	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Carbazole	0.46	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Chrysene	2.5	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:20:00 AM
Lab ID:	1811D35-004	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Fluoranthene	1.5	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Fluorene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Indeno(1,2,3-cd)pyrene	1.5	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Naphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Pentachlorophenol	6.8	2.2		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Phenanthrene	0.56	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Phenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Pyrene	1.5	0.42		mg/Kg-dry	270266	1	11/19/2018 17:55	YH
Surr: 2,4,6-Tribromophenol	60.4	48.2-133		%REC	270266	1	11/19/2018 17:55	YH
Surr: 2-Fluorobiphenyl	54.2	50.2-120		%REC	270266	1	11/19/2018 17:55	YH
Surr: 2-Fluorophenol	44.6	41.6-120		%REC	270266	1	11/19/2018 17:55	YH
Surr: 4-Terphenyl-d14	53.2	52.1-122		%REC	270266	1	11/19/2018 17:55	YH
Surr: Nitrobenzene-d5	50.8	41.4-120		%REC	270266	1	11/19/2018 17:55	YH
Surr: Phenol-d5	46.6	45.7-120		%REC	270266	1	11/19/2018 17:55	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	9250	183		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Arsenic	BRL	137		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Barium	76.0	9.13		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Cadmium	BRL	0.91		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Chromium	73.6	18.3		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Cobalt	6.33	4.56		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Copper	40.0	1.83		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Lead	54.4	0.91		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Nickel	12.2	4.56		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Selenium	BRL	45.6		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Vanadium	49.8	4.56		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
Zinc	107	9.13		mg/Kg-dry	269291	20	11/16/2018 22:20	KP
PERCENT MOISTURE D2216								
Percent Moisture	21.2	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:45:00 AM
Lab ID:	1811D35-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Acetone	BRL	50		ug/L	270405	1	11/20/2018 03:19	BK
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 03:19	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 03:19	BK
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:19	BK
Surr: 4-Bromofluorobenzene	92.7	68-127		%REC	270405	1	11/20/2018 03:19	BK
Surr: Dibromofluoromethane	90.2	84.4-122		%REC	270405	1	11/20/2018 03:19	BK
Surr: Toluene-d8	99.1	80.1-116		%REC	270405	1	11/20/2018 03:19	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	5690	50.0		ug/L	270319	1	11/19/2018 16:29	KP
Arsenic	8.48	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Barium	77.6	10.0		ug/L	270319	1	11/16/2018 20:35	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:35	KP
Chromium	19.5	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Cobalt	BRL	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Copper	62.8	2.00		ug/L	270319	1	11/16/2018 20:35	KP
Lead	31.5	1.00		ug/L	270319	1	11/16/2018 20:35	KP
Nickel	6.33	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Vanadium	16.9	5.00		ug/L	270319	1	11/16/2018 20:35	KP
Zinc	174	10.0		ug/L	270319	1	11/16/2018 20:35	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
2,4,6-Trichlorophenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
2,4-Dimethylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
2,4-Dinitrophenol	BRL	130		ug/L	270289	5	11/16/2018 13:49	YH
2-Chlorophenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
2-Methylnaphthalene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
2-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:45:00 AM
Lab ID:	1811D35-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
4-Chloro-3-methylphenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Acenaphthene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Acenaphthylene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Benz(a)anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Benzo(a)pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Benzo(b)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Benzo(k)fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Carbazole	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Chrysene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Dibenz(a,h)anthracene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Dibenzofuran	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Fluoranthene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Fluorene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Indeno(1,2,3-cd)pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Naphthalene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Pentachlorophenol	530	130		ug/L	270289	5	11/16/2018 13:49	YH
Phenanthrene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Phenol	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Pyrene	BRL	50		ug/L	270289	5	11/16/2018 13:49	YH
Surr: 2,4,6-Tribromophenol	75.2	47-127		%REC	270289	5	11/16/2018 13:49	YH
Surr: 2-Fluorobiphenyl	57.7	47.4-119		%REC	270289	5	11/16/2018 13:49	YH
Surr: 2-Fluorophenol	23	26.2-120	S	%REC	270289	5	11/16/2018 13:49	YH
Surr: 4-Terphenyl-d14	79.4	45-133		%REC	270289	5	11/16/2018 13:49	YH
Surr: Nitrobenzene-d5	43.9	41.9-121		%REC	270289	5	11/16/2018 13:49	YH
Surr: Phenol-d5	15	17.8-120	S	%REC	270289	5	11/16/2018 13:49	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:17	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:50:00 AM
Lab ID:	1811D35-006	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Acetone	BRL	0.17		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
2-Butanone	BRL	0.087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
1,1,1-Trichloroethane	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Benzene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
1,2-Dichloroethane	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Trichloroethene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Toluene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Tetrachloroethene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Ethylbenzene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
m,p-Xylene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
o-Xylene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Styrene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
1,3,5-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
1,2,4-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	270579	1	11/21/2018 16:28	JB
Surr: 4-Bromofluorobenzene	88.7	65.1-125		%REC	270579	1	11/21/2018 16:28	JB
Surr: Dibromofluoromethane	99.5	77.7-123		%REC	270579	1	11/21/2018 16:28	JB
Surr: Toluene-d8	101	83.2-120		%REC	270579	1	11/21/2018 16:28	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.121		mg/Kg-dry	270302	1	11/19/2018 12:16	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Anthracene	1.0	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Benz(a)anthracene	1.7	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Benzo(a)pyrene	1.3	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Benzo(b)fluoranthene	2.0	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Benzo(k)fluoranthene	0.62	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Carbazole	0.45	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Chrysene	1.7	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 10:50:00 AM
Lab ID:	1811D35-006	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Fluoranthene	3.2	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Fluorene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Indeno(1,2,3-cd)pyrene	0.79	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Naphthalene	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Pentachlorophenol	2.6	2.1		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Phenanthrene	2.7	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Phenol	BRL	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Pyrene	2.6	0.40		mg/Kg-dry	270266	1	11/19/2018 18:23	YH
Surr: 2,4,6-Tribromophenol	93	48.2-133		%REC	270266	1	11/19/2018 18:23	YH
Surr: 2-Fluorobiphenyl	80	50.2-120		%REC	270266	1	11/19/2018 18:23	YH
Surr: 2-Fluorophenol	66.8	41.6-120		%REC	270266	1	11/19/2018 18:23	YH
Surr: 4-Terphenyl-d14	77.9	52.1-122		%REC	270266	1	11/19/2018 18:23	YH
Surr: Nitrobenzene-d5	74.6	41.4-120		%REC	270266	1	11/19/2018 18:23	YH
Surr: Phenol-d5	70.9	45.7-120		%REC	270266	1	11/19/2018 18:23	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	11100	179		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Arsenic	BRL	134		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Barium	86.5	8.96		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Cadmium	BRL	0.90		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Chromium	62.8	17.9		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Cobalt	4.90	4.48		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Copper	52.9	1.79		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Lead	44.6	0.90		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Nickel	12.6	4.48		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Selenium	BRL	44.8		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Vanadium	48.0	4.48		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
Zinc	240	8.96		mg/Kg-dry	269291	20	11/16/2018 22:23	KP
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:15:00 AM
Lab ID:	1811D35-007	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Acetone	BRL	50		ug/L	270405	1	11/20/2018 03:44	BK
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 03:44	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 03:44	BK
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 03:44	BK
Surr: 4-Bromofluorobenzene	98.3	68-127		%REC	270405	1	11/20/2018 03:44	BK
Surr: Dibromofluoromethane	104	84.4-122		%REC	270405	1	11/20/2018 03:44	BK
Surr: Toluene-d8	97.8	80.1-116		%REC	270405	1	11/20/2018 03:44	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1000	50.0		ug/L	270319	1	11/19/2018 16:33	KP
Arsenic	6.69	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Barium	55.6	10.0		ug/L	270319	1	11/16/2018 20:13	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:13	KP
Chromium	7.71	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Cobalt	BRL	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Copper	7.59	2.00		ug/L	270319	1	11/16/2018 20:13	KP
Lead	15.3	1.00		ug/L	270319	1	11/16/2018 20:13	KP
Nickel	BRL	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Vanadium	BRL	5.00		ug/L	270319	1	11/16/2018 20:13	KP
Zinc	18.7	10.0		ug/L	270319	1	11/16/2018 20:13	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 11:37	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:15:00 AM
Lab ID:	1811D35-007	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Fluorene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Pentachlorophenol	BRL	25		ug/L	270289	1	11/16/2018 11:37	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 11:37	YH
Surr: 2,4,6-Tribromophenol	94.7	47-127		%REC	270289	1	11/16/2018 11:37	YH
Surr: 2-Fluorobiphenyl	85.4	47.4-119		%REC	270289	1	11/16/2018 11:37	YH
Surr: 2-Fluorophenol	56.1	26.2-120		%REC	270289	1	11/16/2018 11:37	YH
Surr: 4-Terphenyl-d14	94.9	45-133		%REC	270289	1	11/16/2018 11:37	YH
Surr: Nitrobenzene-d5	80.8	41.9-121		%REC	270289	1	11/16/2018 11:37	YH
Surr: Phenol-d5	42.6	17.8-120		%REC	270289	1	11/16/2018 11:37	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:20	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:20:00 AM
Lab ID:	1811D35-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Acetone	0.18	0.18		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
2-Butanone	BRL	0.090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
1,1,1-Trichloroethane	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Benzene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
1,2-Dichloroethane	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Trichloroethene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Toluene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Tetrachloroethene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Ethylbenzene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
m,p-Xylene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
o-Xylene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Styrene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
1,3,5-Trimethylbenzene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
1,2,4-Trimethylbenzene	BRL	0.0090		mg/Kg-dry	270579	1	11/21/2018 16:53	JB
Surr: 4-Bromofluorobenzene	92	65.1-125		%REC	270579	1	11/21/2018 16:53	JB
Surr: Dibromofluoromethane	98.5	77.7-123		%REC	270579	1	11/21/2018 16:53	JB
Surr: Toluene-d8	103	83.2-120		%REC	270579	1	11/21/2018 16:53	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.140		mg/Kg-dry	270302	1	11/19/2018 12:24	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2,4,6-Trichlorophenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2,4-Dimethylphenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2,4-Dinitrophenol	BRL	2.4		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2-Chlorophenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2-Methylnaphthalene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
2-Methylphenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
3,4-Methylphenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
4-Chloro-3-methylphenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Acenaphthene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Acenaphthylene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Anthracene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Benz(a)anthracene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Benzo(a)pyrene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Benzo(b)fluoranthene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Benzo(k)fluoranthene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Carbazole	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Chrysene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4A
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:20:00 AM
Lab ID:	1811D35-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Dibenzofuran	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Fluoranthene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Fluorene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Indeno(1,2,3-cd)pyrene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Naphthalene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Pentachlorophenol	BRL	2.4		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Phenanthrene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Phenol	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Pyrene	BRL	0.46		mg/Kg-dry	270266	1	11/19/2018 18:49	YH
Surr: 2,4,6-Tribromophenol	79.6	48.2-133		%REC	270266	1	11/19/2018 18:49	YH
Surr: 2-Fluorobiphenyl	68.7	50.2-120		%REC	270266	1	11/19/2018 18:49	YH
Surr: 2-Fluorophenol	50.2	41.6-120		%REC	270266	1	11/19/2018 18:49	YH
Surr: 4-Terphenyl-d14	68.8	52.1-122		%REC	270266	1	11/19/2018 18:49	YH
Surr: Nitrobenzene-d5	57.7	41.4-120		%REC	270266	1	11/19/2018 18:49	YH
Surr: Phenol-d5	56.1	45.7-120		%REC	270266	1	11/19/2018 18:49	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	36800	200		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Arsenic	BRL	150		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Barium	164	10.0		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Cadmium	BRL	1.00		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Chromium	108	20.0		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Cobalt	34.5	5.01		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Copper	88.6	2.00		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Lead	83.6	1.00		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Nickel	27.7	5.01		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Selenium	BRL	50.1		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Vanadium	232	5.01		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
Zinc	102	10.0		mg/Kg-dry	269291	20	11/16/2018 22:26	KP
PERCENT MOISTURE D2216								
Percent Moisture	28.6	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4B
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:30:00 AM
Lab ID:	1811D35-009	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Acetone	BRL	50		ug/L	270405	1	11/20/2018 13:47	OM
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 13:47	OM
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 13:47	OM
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 13:47	OM
Surr: 4-Bromofluorobenzene	100	68-127		%REC	270405	1	11/20/2018 13:47	OM
Surr: Dibromofluoromethane	97.6	84.4-122		%REC	270405	1	11/20/2018 13:47	OM
Surr: Toluene-d8	100	80.1-116		%REC	270405	1	11/20/2018 13:47	OM
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	22500	50.0		ug/L	270319	1	11/16/2018 20:48	KP
Arsenic	220	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Barium	175	10.0		ug/L	270319	1	11/16/2018 20:48	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:48	KP
Chromium	216	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Cobalt	29.0	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Copper	192	2.00		ug/L	270319	1	11/16/2018 20:48	KP
Lead	435	1.00		ug/L	270319	1	11/16/2018 20:48	KP
Nickel	21.6	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Selenium	6.56	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Vanadium	71.9	5.00		ug/L	270319	1	11/16/2018 20:48	KP
Zinc	174	10.0		ug/L	270319	1	11/16/2018 20:48	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 11:28	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4B
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:30:00 AM
Lab ID:	1811D35-009	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Pentachlorophenol	BRL	25		ug/L	270289	1	11/19/2018 11:28	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:28	YH
Surr: 2,4,6-Tribromophenol	97.1	47-127		%REC	270289	1	11/19/2018 11:28	YH
Surr: 2-Fluorobiphenyl	61.9	47.4-119		%REC	270289	1	11/19/2018 11:28	YH
Surr: 2-Fluorophenol	36.9	26.2-120		%REC	270289	1	11/19/2018 11:28	YH
Surr: 4-Terphenyl-d14	67.5	45-133		%REC	270289	1	11/19/2018 11:28	YH
Surr: Nitrobenzene-d5	55.2	41.9-121		%REC	270289	1	11/19/2018 11:28	YH
Surr: Phenol-d5	24.5	17.8-120		%REC	270289	1	11/19/2018 11:28	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:24	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4B
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:35:00 AM
Lab ID:	1811D35-010	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Acetone	BRL	0.30		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
2-Butanone	BRL	0.15		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
1,1,1-Trichloroethane	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Benzene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
1,2-Dichloroethane	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Trichloroethene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Toluene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Tetrachloroethene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Ethylbenzene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
m,p-Xylene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
o-Xylene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Styrene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
1,3,5-Trimethylbenzene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
1,2,4-Trimethylbenzene	BRL	0.015		mg/Kg-dry	270579	1	11/21/2018 17:24	JB
Surr: 4-Bromofluorobenzene	86.7	65.1-125		%REC	270579	1	11/21/2018 17:24	JB
Surr: Dibromofluoromethane	100	77.7-123		%REC	270579	1	11/21/2018 17:24	JB
Surr: Toluene-d8	101	83.2-120		%REC	270579	1	11/21/2018 17:24	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.145		mg/Kg-dry	270302	1	11/19/2018 12:33	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2,4,6-Trichlorophenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2,4-Dimethylphenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2-Chlorophenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2-Methylnaphthalene	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
2-Methylphenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
3,4-Methylphenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
4-Chloro-3-methylphenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Acenaphthene	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Acenaphthylene	0.80	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Anthracene	1.1	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Benz(a)anthracene	2.6	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Benzo(a)pyrene	2.2	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Benzo(b)fluoranthene	5.0	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Benzo(k)fluoranthene	1.5	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Carbazole	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Chrysene	3.7	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4B
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:35:00 AM
Lab ID:	1811D35-010	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Dibenzofuran	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Fluoranthene	4.6	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Fluorene	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Indeno(1,2,3-cd)pyrene	1.4	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Naphthalene	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Pentachlorophenol	BRL	2.5		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Phenanthrene	1.0	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Phenol	BRL	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Pyrene	4.1	0.48		mg/Kg-dry	270266	1	11/19/2018 19:15	YH
Surr: 2,4,6-Tribromophenol	90.2	48.2-133		%REC	270266	1	11/19/2018 19:15	YH
Surr: 2-Fluorobiphenyl	77.4	50.2-120		%REC	270266	1	11/19/2018 19:15	YH
Surr: 2-Fluorophenol	62.5	41.6-120		%REC	270266	1	11/19/2018 19:15	YH
Surr: 4-Terphenyl-d14	74.4	52.1-122		%REC	270266	1	11/19/2018 19:15	YH
Surr: Nitrobenzene-d5	71.5	41.4-120		%REC	270266	1	11/19/2018 19:15	YH
Surr: Phenol-d5	67.1	45.7-120		%REC	270266	1	11/19/2018 19:15	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	19500	208		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Arsenic	BRL	156		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Barium	134	10.4		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Cadmium	BRL	1.04		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Chromium	75.2	20.8		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Cobalt	16.8	5.20		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Copper	65.7	2.08		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Lead	254	1.04		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Nickel	19.1	5.20		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Selenium	BRL	52.0		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Vanadium	81.0	5.20		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
Zinc	130	10.4		mg/Kg-dry	269291	20	11/16/2018 22:39	KP
PERCENT MOISTURE D2216								
Percent Moisture	31.1	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:45:00 AM
Lab ID:	1811D35-011	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 04:34	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 04:34	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 04:34	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:34	BK
Surr: 4-Bromofluorobenzene	91.2	68-127		%REC	270473	1	11/20/2018 04:34	BK
Surr: Dibromofluoromethane	90.6	84.4-122		%REC	270473	1	11/20/2018 04:34	BK
Surr: Toluene-d8	99.8	80.1-116		%REC	270473	1	11/20/2018 04:34	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	27000	50.0		ug/L	270319	1	11/16/2018 20:51	KP
Arsenic	216	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Barium	211	10.0		ug/L	270319	1	11/16/2018 20:51	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:51	KP
Chromium	222	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Cobalt	33.9	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Copper	211	2.00		ug/L	270319	1	11/16/2018 20:51	KP
Lead	489	1.00		ug/L	270319	1	11/16/2018 20:51	KP
Nickel	25.6	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Selenium	5.87	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Vanadium	84.1	5.00		ug/L	270319	1	11/16/2018 20:51	KP
Zinc	203	10.0		ug/L	270319	1	11/16/2018 20:51	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 11:54	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:45:00 AM
Lab ID:	1811D35-011	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Pentachlorophenol	BRL	25		ug/L	270289	1	11/19/2018 11:54	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 11:54	YH
Surr: 2,4,6-Tribromophenol	90.4	47-127		%REC	270289	1	11/19/2018 11:54	YH
Surr: 2-Fluorobiphenyl	51.4	47.4-119		%REC	270289	1	11/19/2018 11:54	YH
Surr: 2-Fluorophenol	30.4	26.2-120		%REC	270289	1	11/19/2018 11:54	YH
Surr: 4-Terphenyl-d14	61.5	45-133		%REC	270289	1	11/19/2018 11:54	YH
Surr: Nitrobenzene-d5	44.2	41.9-121		%REC	270289	1	11/19/2018 11:54	YH
Surr: Phenol-d5	22	17.8-120		%REC	270289	1	11/19/2018 11:54	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270318	1	11/16/2018 15:27	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:50:00 AM
Lab ID:	1811D35-012	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Acetone	0.28	0.24		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
2-Butanone	BRL	0.12		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
1,1,1-Trichloroethane	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Benzene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
1,2-Dichloroethane	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Trichloroethene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Toluene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Tetrachloroethene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Ethylbenzene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
m,p-Xylene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
o-Xylene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Styrene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
1,3,5-Trimethylbenzene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
1,2,4-Trimethylbenzene	BRL	0.012		mg/Kg-dry	270579	1	11/21/2018 17:49	JB
Surr: 4-Bromofluorobenzene	86.1	65.1-125		%REC	270579	1	11/21/2018 17:49	JB
Surr: Dibromofluoromethane	97.8	77.7-123		%REC	270579	1	11/21/2018 17:49	JB
Surr: Toluene-d8	100	83.2-120		%REC	270579	1	11/21/2018 17:49	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.157		mg/Kg-dry	270302	1	11/19/2018 13:00	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2,4,6-Trichlorophenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2,4-Dimethylphenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2,4-Dinitrophenol	BRL	2.7		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2-Chlorophenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2-Methylnaphthalene	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
2-Methylphenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
3,4-Methylphenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
4-Chloro-3-methylphenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Acenaphthene	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Acenaphthylene	0.82	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Anthracene	1.4	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Benz(a)anthracene	2.9	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Benzo(a)pyrene	2.0	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Benzo(b)fluoranthene	5.1	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Benzo(k)fluoranthene	1.3	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Carbazole	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Chrysene	4.2	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 11:50:00 AM
Lab ID:	1811D35-012	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Dibenzofuran	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Fluoranthene	4.8	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Fluorene	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Indeno(1,2,3-cd)pyrene	1.2	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Naphthalene	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Pentachlorophenol	3.4	2.7		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Phenanthrene	0.76	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Phenol	BRL	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Pyrene	4.6	0.52		mg/Kg-dry	270266	1	11/19/2018 19:43	YH
Surr: 2,4,6-Tribromophenol	88	48.2-133		%REC	270266	1	11/19/2018 19:43	YH
Surr: 2-Fluorobiphenyl	78.1	50.2-120		%REC	270266	1	11/19/2018 19:43	YH
Surr: 2-Fluorophenol	63.6	41.6-120		%REC	270266	1	11/19/2018 19:43	YH
Surr: 4-Terphenyl-d14	73.3	52.1-122		%REC	270266	1	11/19/2018 19:43	YH
Surr: Nitrobenzene-d5	71.3	41.4-120		%REC	270266	1	11/19/2018 19:43	YH
Surr: Phenol-d5	66.2	45.7-120		%REC	270266	1	11/19/2018 19:43	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	23600	222		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Arsenic	BRL	167		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Barium	129	11.1		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Cadmium	BRL	1.11		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Chromium	85.3	22.2		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Cobalt	23.6	5.56		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Copper	80.6	2.22		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Lead	350	1.11		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Nickel	21.1	5.56		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Selenium	BRL	55.6		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Vanadium	106	5.56		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
Zinc	119	11.1		mg/Kg-dry	269291	20	11/16/2018 22:42	KP
PERCENT MOISTURE D2216								
Percent Moisture	36.1	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	LY-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:15:00 PM
Lab ID:	1811D35-013	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 04:59	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 04:59	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 04:59	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 04:59	BK
Surr: 4-Bromofluorobenzene	98.5	68-127		%REC	270473	1	11/20/2018 04:59	BK
Surr: Dibromofluoromethane	104	84.4-122		%REC	270473	1	11/20/2018 04:59	BK
Surr: Toluene-d8	96.3	80.1-116		%REC	270473	1	11/20/2018 04:59	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	120000	250		ug/L	270319	5	11/19/2018 16:36	KP
Arsenic	35.7	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Barium	737	10.0		ug/L	270319	1	11/16/2018 20:54	KP
Cadmium	1.58	0.700		ug/L	270319	1	11/16/2018 20:54	KP
Chromium	254	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Cobalt	75.9	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Copper	338	2.00		ug/L	270319	1	11/16/2018 20:54	KP
Lead	697	1.00		ug/L	270319	1	11/16/2018 20:54	KP
Nickel	99.1	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Selenium	5.90	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Vanadium	359	5.00		ug/L	270319	1	11/16/2018 20:54	KP
Zinc	899	10.0		ug/L	270319	1	11/16/2018 20:54	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	25	10		ug/L	270289	1	11/19/2018 12:21	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 12:21	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	LY-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:15:00 PM
Lab ID:	1811D35-013	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Pentachlorophenol	150	130		ug/L	270289	5	11/16/2018 15:36	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:21	YH
Surr: 2,4,6-Tribromophenol	68.2	47-127		%REC	270289	1	11/19/2018 12:21	YH
Surr: 2-Fluorobiphenyl	51	47.4-119		%REC	270289	1	11/19/2018 12:21	YH
Surr: 2-Fluorophenol	33.4	26.2-120		%REC	270289	1	11/19/2018 12:21	YH
Surr: 4-Terphenyl-d14	39.6	45-133	S	%REC	270289	1	11/19/2018 12:21	YH
Surr: Nitrobenzene-d5	63.1	41.9-121		%REC	270289	1	11/19/2018 12:21	YH
Surr: Phenol-d5	23.2	17.8-120		%REC	270289	1	11/19/2018 12:21	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00061	0.00020		mg/L	270318	1	11/16/2018 15:30	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	LY-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:20:00 PM
Lab ID:	1811D35-014	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Acetone	BRL	0.14		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
2-Butanone	BRL	0.070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
1,1,1-Trichloroethane	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Benzene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
1,2-Dichloroethane	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Trichloroethene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Toluene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Tetrachloroethene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Ethylbenzene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
m,p-Xylene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
o-Xylene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Styrene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
1,3,5-Trimethylbenzene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
1,2,4-Trimethylbenzene	BRL	0.0070		mg/Kg-dry	270579	1	11/21/2018 18:14	JB
Surr: 4-Bromofluorobenzene	90.7	65.1-125		%REC	270579	1	11/21/2018 18:14	JB
Surr: Dibromofluoromethane	96.7	77.7-123		%REC	270579	1	11/21/2018 18:14	JB
Surr: Toluene-d8	102	83.2-120		%REC	270579	1	11/21/2018 18:14	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.117		mg/Kg-dry	270302	1	11/19/2018 13:09	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Carbazole	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Chrysene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	LY-1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:20:00 PM
Lab ID:	1811D35-014	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Fluoranthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Fluorene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Naphthalene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Phenanthrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Phenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 20:11	YH
Surr: 2,4,6-Tribromophenol	94.7	48.2-133		%REC	270266	1	11/19/2018 20:11	YH
Surr: 2-Fluorobiphenyl	87.6	50.2-120		%REC	270266	1	11/19/2018 20:11	YH
Surr: 2-Fluorophenol	72.1	41.6-120		%REC	270266	1	11/19/2018 20:11	YH
Surr: 4-Terphenyl-d14	81.1	52.1-122		%REC	270266	1	11/19/2018 20:11	YH
Surr: Nitrobenzene-d5	80.8	41.4-120		%REC	270266	1	11/19/2018 20:11	YH
Surr: Phenol-d5	76.1	45.7-120		%REC	270266	1	11/19/2018 20:11	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	4040	181		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Arsenic	BRL	136		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Barium	52.1	9.05		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Cadmium	BRL	0.90		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Chromium	BRL	18.1		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Cobalt	BRL	4.53		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Copper	3.46	1.81		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Lead	9.50	0.90		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Nickel	BRL	4.53		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Selenium	BRL	45.3		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Vanadium	11.3	4.53		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
Zinc	15.2	9.05		mg/Kg-dry	269291	20	11/16/2018 22:46	KP
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:55:00 PM
Lab ID:	1811D35-015	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Acetone	BRL	50		ug/L	270473	1	11/19/2018 16:55	BK
2-Butanone	BRL	50		ug/L	270473	1	11/19/2018 16:55	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Benzene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Toluene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/19/2018 16:55	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Styrene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/19/2018 16:55	BK
Surr: 4-Bromofluorobenzene	96.2	68-127		%REC	270473	1	11/19/2018 16:55	BK
Surr: Dibromofluoromethane	98.2	84.4-122		%REC	270473	1	11/19/2018 16:55	BK
Surr: Toluene-d8	98.1	80.1-116		%REC	270473	1	11/19/2018 16:55	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	6120	50.0		ug/L	270319	1	11/16/2018 20:57	KP
Arsenic	BRL	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Barium	89.4	10.0		ug/L	270319	1	11/16/2018 20:57	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 20:57	KP
Chromium	15.0	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Cobalt	5.44	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Copper	27.5	2.00		ug/L	270319	1	11/16/2018 20:57	KP
Lead	64.2	1.00		ug/L	270319	1	11/16/2018 20:57	KP
Nickel	6.29	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Vanadium	21.1	5.00		ug/L	270319	1	11/16/2018 20:57	KP
Zinc	82.1	10.0		ug/L	270319	1	11/16/2018 20:57	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	17	10		ug/L	270289	1	11/19/2018 12:47	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 12:47	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 12:55:00 PM
Lab ID:	1811D35-015	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Pentachlorophenol	BRL	130		ug/L	270289	5	11/16/2018 16:03	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 12:47	YH
Surr: 2,4,6-Tribromophenol	121	47-127		%REC	270289	1	11/19/2018 12:47	YH
Surr: 2-Fluorobiphenyl	88	47.4-119		%REC	270289	1	11/19/2018 12:47	YH
Surr: 2-Fluorophenol	40.6	26.2-120		%REC	270289	1	11/19/2018 12:47	YH
Surr: 4-Terphenyl-d14	91.2	45-133		%REC	270289	1	11/19/2018 12:47	YH
Surr: Nitrobenzene-d5	69.3	41.9-121		%REC	270289	1	11/19/2018 12:47	YH
Surr: Phenol-d5	28	17.8-120		%REC	270289	1	11/19/2018 12:47	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270402	1	11/19/2018 14:25	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:00:00 PM
Lab ID:	1811D35-016	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Acetone	0.99	0.27		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
2-Butanone	BRL	0.14		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
1,1,1-Trichloroethane	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Benzene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
1,2-Dichloroethane	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Trichloroethene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Toluene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Tetrachloroethene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Ethylbenzene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
m,p-Xylene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
o-Xylene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Styrene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
1,3,5-Trimethylbenzene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
1,2,4-Trimethylbenzene	BRL	0.014		mg/Kg-dry	270579	1	11/21/2018 18:39	JB
Surr: 4-Bromofluorobenzene	88.1	65.1-125		%REC	270579	1	11/21/2018 18:39	JB
Surr: Dibromofluoromethane	98.5	77.7-123		%REC	270579	1	11/21/2018 18:39	JB
Surr: Toluene-d8	98.2	83.2-120		%REC	270579	1	11/21/2018 18:39	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	0.280	0.200		mg/Kg-dry	270302	1	11/19/2018 13:18	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2,4,6-Trichlorophenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2,4-Dimethylphenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2,4-Dinitrophenol	BRL	3.4		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2-Chlorophenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2-Methylnaphthalene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
2-Methylphenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
3,4-Methylphenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
4-Chloro-3-methylphenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Acenaphthene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Acenaphthylene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Anthracene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Benz(a)anthracene	0.74	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Benzo(a)pyrene	0.67	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Benzo(b)fluoranthene	1.9	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Benzo(k)fluoranthene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Carbazole	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Chrysene	0.93	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	PB-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:00:00 PM
Lab ID:	1811D35-016	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Dibenzofuran	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Fluoranthene	1.2	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Fluorene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Indeno(1,2,3-cd)pyrene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Naphthalene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Pentachlorophenol	4.5	3.4		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Phenanthrene	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Phenol	BRL	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Pyrene	1.3	0.66		mg/Kg-dry	270266	1	11/19/2018 20:39	YH
Surr: 2,4,6-Tribromophenol	72.6	48.2-133		%REC	270266	1	11/19/2018 20:39	YH
Surr: 2-Fluorobiphenyl	64.4	50.2-120		%REC	270266	1	11/19/2018 20:39	YH
Surr: 2-Fluorophenol	50.6	41.6-120		%REC	270266	1	11/19/2018 20:39	YH
Surr: 4-Terphenyl-d14	60.2	52.1-122		%REC	270266	1	11/19/2018 20:39	YH
Surr: Nitrobenzene-d5	56.4	41.4-120		%REC	270266	1	11/19/2018 20:39	YH
Surr: Phenol-d5	53.8	45.7-120		%REC	270266	1	11/19/2018 20:39	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	20300	290		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Arsenic	BRL	218		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Barium	224	14.5		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Cadmium	BRL	1.45		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Chromium	69.6	29.0		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Cobalt	37.7	7.25		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Copper	61.2	2.90		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Lead	110	1.45		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Nickel	27.7	7.25		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Selenium	BRL	72.5		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Vanadium	86.6	7.25		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
Zinc	313	14.5		mg/Kg-dry	269291	20	11/16/2018 22:49	KP
PERCENT MOISTURE D2216								
Percent Moisture	50.1	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:25:00 PM
Lab ID:	1811D35-017	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 07:54	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 07:54	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 07:54	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:54	BK
Surr: 4-Bromofluorobenzene	92.1	68-127		%REC	270473	1	11/20/2018 07:54	BK
Surr: Dibromofluoromethane	90	84.4-122		%REC	270473	1	11/20/2018 07:54	BK
Surr: Toluene-d8	99.5	80.1-116		%REC	270473	1	11/20/2018 07:54	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	148000	250		ug/L	270319	5	11/19/2018 16:39	KP
Arsenic	28.5	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Barium	1030	10.0		ug/L	270319	1	11/16/2018 21:00	KP
Cadmium	2.24	0.700		ug/L	270319	1	11/16/2018 21:00	KP
Chromium	344	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Cobalt	102	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Copper	352	2.00		ug/L	270319	1	11/16/2018 21:00	KP
Lead	847	1.00		ug/L	270319	1	11/16/2018 21:00	KP
Nickel	119	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Selenium	7.64	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Vanadium	405	5.00		ug/L	270319	1	11/16/2018 21:00	KP
Zinc	1190	10.0		ug/L	270319	1	11/16/2018 21:00	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	15	10		ug/L	270289	1	11/19/2018 13:13	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 13:13	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:25:00 PM
Lab ID:	1811D35-017	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Pentachlorophenol	120	25		ug/L	270289	1	11/19/2018 13:13	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:13	YH
Surr: 2,4,6-Tribromophenol	74.8	47-127		%REC	270289	1	11/19/2018 13:13	YH
Surr: 2-Fluorobiphenyl	61.2	47.4-119		%REC	270289	1	11/19/2018 13:13	YH
Surr: 2-Fluorophenol	39.2	26.2-120		%REC	270289	1	11/19/2018 13:13	YH
Surr: 4-Terphenyl-d14	51.6	45-133		%REC	270289	1	11/19/2018 13:13	YH
Surr: Nitrobenzene-d5	66.1	41.9-121		%REC	270289	1	11/19/2018 13:13	YH
Surr: Phenol-d5	27	17.8-120		%REC	270289	1	11/19/2018 13:13	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00084	0.00020		mg/L	270466	1	11/20/2018 13:32	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:30:00 PM
Lab ID:	1811D35-018	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Acetone	0.90	0.19	E	mg/Kg-dry	270579	1	11/21/2018 19:04	JB
2-Butanone	BRL	0.093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
1,1,1-Trichloroethane	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Benzene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
1,2-Dichloroethane	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Trichloroethene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Toluene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Tetrachloroethene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Ethylbenzene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
m,p-Xylene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
o-Xylene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Styrene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
1,3,5-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
1,2,4-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	270579	1	11/21/2018 19:04	JB
Surr: 4-Bromofluorobenzene	83.8	65.1-125		%REC	270579	1	11/21/2018 19:04	JB
Surr: Dibromofluoromethane	96.9	77.7-123		%REC	270579	1	11/21/2018 19:04	JB
Surr: Toluene-d8	101	83.2-120		%REC	270579	1	11/21/2018 19:04	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.125		mg/Kg-dry	270302	1	11/19/2018 13:26	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Carbazole	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Chrysene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:30:00 PM
Lab ID:	1811D35-018	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Fluorene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Naphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Phenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 21:07	YH
Surr: 2,4,6-Tribromophenol	78.1	48.2-133		%REC	270266	1	11/19/2018 21:07	YH
Surr: 2-Fluorobiphenyl	70.1	50.2-120		%REC	270266	1	11/19/2018 21:07	YH
Surr: 2-Fluorophenol	58.1	41.6-120		%REC	270266	1	11/19/2018 21:07	YH
Surr: 4-Terphenyl-d14	63.7	52.1-122		%REC	270266	1	11/19/2018 21:07	YH
Surr: Nitrobenzene-d5	63.2	41.4-120		%REC	270266	1	11/19/2018 21:07	YH
Surr: Phenol-d5	59.6	45.7-120		%REC	270266	1	11/19/2018 21:07	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	3110	192		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Arsenic	BRL	144		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Barium	41.2	9.59		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Cadmium	BRL	0.96		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Chromium	114	19.2		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Cobalt	BRL	4.80		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Copper	6.39	1.92		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Lead	18.0	0.96		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Nickel	BRL	4.80		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Selenium	BRL	48.0		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Vanadium	24.7	4.80		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
Zinc	15.6	9.59		mg/Kg-dry	269291	20	11/16/2018 22:52	KP
PERCENT MOISTURE D2216								
Percent Moisture	19.9	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:55:00 PM
Lab ID:	1811D35-019	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 05:24	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 05:24	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 05:24	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:24	BK
Surr: 4-Bromofluorobenzene	94.3	68-127		%REC	270473	1	11/20/2018 05:24	BK
Surr: Dibromofluoromethane	95.4	84.4-122		%REC	270473	1	11/20/2018 05:24	BK
Surr: Toluene-d8	97.7	80.1-116		%REC	270473	1	11/20/2018 05:24	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	25400	50.0		ug/L	270319	1	11/16/2018 21:04	KP
Arsenic	10.4	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Barium	173	10.0		ug/L	270319	1	11/16/2018 21:04	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:04	KP
Chromium	48.9	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Cobalt	21.1	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Copper	93.0	2.00		ug/L	270319	1	11/16/2018 21:04	KP
Lead	378	1.00		ug/L	270319	1	11/16/2018 21:04	KP
Nickel	21.8	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Vanadium	81.6	5.00		ug/L	270319	1	11/16/2018 21:04	KP
Zinc	276	10.0		ug/L	270319	1	11/16/2018 21:04	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	25	10		ug/L	270289	1	11/16/2018 16:56	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 16:56	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 1:55:00 PM
Lab ID:	1811D35-019	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Fluorene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Pentachlorophenol	150	130		ug/L	270289	5	11/16/2018 18:18	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 16:56	YH
Surr: 2,4,6-Tribromophenol	90.7	47-127		%REC	270289	1	11/16/2018 16:56	YH
Surr: 2-Fluorobiphenyl	70.2	47.4-119		%REC	270289	1	11/16/2018 16:56	YH
Surr: 2-Fluorophenol	31.5	26.2-120		%REC	270289	1	11/16/2018 16:56	YH
Surr: 4-Terphenyl-d14	55.7	45-133		%REC	270289	1	11/16/2018 16:56	YH
Surr: Nitrobenzene-d5	59.2	41.9-121		%REC	270289	1	11/16/2018 16:56	YH
Surr: Phenol-d5	22.6	17.8-120		%REC	270289	1	11/16/2018 16:56	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00023	0.00020		mg/L	270402	1	11/19/2018 15:15	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:00:00 PM
Lab ID:	1811D35-020	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Acetone	BRL	0.21		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
2-Butanone	BRL	0.11		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Benzene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Trichloroethene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Toluene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Tetrachloroethene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Ethylbenzene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
m,p-Xylene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
o-Xylene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Styrene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	270579	1	11/21/2018 19:30	JB
Surr: 4-Bromofluorobenzene	93.8	65.1-125		%REC	270579	1	11/21/2018 19:30	JB
Surr: Dibromofluoromethane	97.4	77.7-123		%REC	270579	1	11/21/2018 19:30	JB
Surr: Toluene-d8	103	83.2-120		%REC	270579	1	11/21/2018 19:30	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.119		mg/Kg-dry	270302	1	11/19/2018 13:35	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Benz(a)anthracene	0.40	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Benzo(b)fluoranthene	0.81	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Carbazole	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Chrysene	0.50	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:00:00 PM
Lab ID:	1811D35-020	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Fluoranthene	0.98	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Fluorene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Naphthalene	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Pentachlorophenol	3.0	2.0		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Phenanthrene	0.44	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Phenol	BRL	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Pyrene	0.74	0.39		mg/Kg-dry	270266	1	11/19/2018 21:36	YH
Surr: 2,4,6-Tribromophenol	95.5	48.2-133		%REC	270266	1	11/19/2018 21:36	YH
Surr: 2-Fluorobiphenyl	84.7	50.2-120		%REC	270266	1	11/19/2018 21:36	YH
Surr: 2-Fluorophenol	71.3	41.6-120		%REC	270266	1	11/19/2018 21:36	YH
Surr: 4-Terphenyl-d14	79.3	52.1-122		%REC	270266	1	11/19/2018 21:36	YH
Surr: Nitrobenzene-d5	77.7	41.4-120		%REC	270266	1	11/19/2018 21:36	YH
Surr: Phenol-d5	74.7	45.7-120		%REC	270266	1	11/19/2018 21:36	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	7110	175		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Arsenic	BRL	132		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Barium	67.3	8.77		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Cadmium	BRL	0.88		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Chromium	37.4	17.5		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Cobalt	4.91	4.39		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Copper	11.2	1.75		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Lead	28.9	0.88		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Nickel	4.70	4.39		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Selenium	BRL	43.9		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Vanadium	27.5	4.39		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
Zinc	38.6	8.77		mg/Kg-dry	269291	20	11/16/2018 22:55	KP
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:20:00 PM
Lab ID:	1811D35-021	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 05:49	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 05:49	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 05:49	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 05:49	BK
Surr: 4-Bromofluorobenzene	91.7	68-127		%REC	270473	1	11/20/2018 05:49	BK
Surr: Dibromofluoromethane	90.4	84.4-122		%REC	270473	1	11/20/2018 05:49	BK
Surr: Toluene-d8	98.3	80.1-116		%REC	270473	1	11/20/2018 05:49	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	12700	50.0		ug/L	270319	1	11/16/2018 21:07	KP
Arsenic	200	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Barium	111	10.0		ug/L	270319	1	11/16/2018 21:07	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:07	KP
Chromium	230	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Cobalt	7.26	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Copper	157	2.00		ug/L	270319	1	11/16/2018 21:07	KP
Lead	100.0	1.00		ug/L	270319	1	11/16/2018 21:07	KP
Nickel	10.4	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Selenium	7.26	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Vanadium	42.8	5.00		ug/L	270319	1	11/16/2018 21:07	KP
Zinc	192	10.0		ug/L	270319	1	11/16/2018 21:07	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 17:24	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:20:00 PM
Lab ID:	1811D35-021	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Fluorene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Pentachlorophenol	56	25		ug/L	270289	1	11/16/2018 17:24	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:24	YH
Surr: 2,4,6-Tribromophenol	85.2	47-127		%REC	270289	1	11/16/2018 17:24	YH
Surr: 2-Fluorobiphenyl	75.4	47.4-119		%REC	270289	1	11/16/2018 17:24	YH
Surr: 2-Fluorophenol	30.7	26.2-120		%REC	270289	1	11/16/2018 17:24	YH
Surr: 4-Terphenyl-d14	72.7	45-133		%REC	270289	1	11/16/2018 17:24	YH
Surr: Nitrobenzene-d5	60.7	41.9-121		%REC	270289	1	11/16/2018 17:24	YH
Surr: Phenol-d5	21.4	17.8-120		%REC	270289	1	11/16/2018 17:24	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270402	1	11/19/2018 15:18	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:25:00 PM
Lab ID:	1811D35-022	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Acetone	BRL	0.16		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
2-Butanone	BRL	0.082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
1,1,1-Trichloroethane	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Benzene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
1,2-Dichloroethane	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Trichloroethene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Toluene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Tetrachloroethene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Ethylbenzene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
m,p-Xylene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
o-Xylene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Styrene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
1,3,5-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
1,2,4-Trimethylbenzene	BRL	0.0082		mg/Kg-dry	270579	1	11/21/2018 19:55	JB
Surr: 4-Bromofluorobenzene	87.9	65.1-125		%REC	270579	1	11/21/2018 19:55	JB
Surr: Dibromofluoromethane	98.4	77.7-123		%REC	270579	1	11/21/2018 19:55	JB
Surr: Toluene-d8	101	83.2-120		%REC	270579	1	11/21/2018 19:55	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.133		mg/Kg-dry	270302	1	11/19/2018 13:43	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Acenaphthene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Anthracene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Benz(a)anthracene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Benzo(a)pyrene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Benzo(b)fluoranthene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Carbazole	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Chrysene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 2:25:00 PM
Lab ID:	1811D35-022	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Fluoranthene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Fluorene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Naphthalene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Phenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Pyrene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 22:04	YH
Surr: 2,4,6-Tribromophenol	65.7	48.2-133		%REC	270266	1	11/19/2018 22:04	YH
Surr: 2-Fluorobiphenyl	58.1	50.2-120		%REC	270266	1	11/19/2018 22:04	YH
Surr: 2-Fluorophenol	49.2	41.6-120		%REC	270266	1	11/19/2018 22:04	YH
Surr: 4-Terphenyl-d14	62.9	52.1-122		%REC	270266	1	11/19/2018 22:04	YH
Surr: Nitrobenzene-d5	52.7	41.4-120		%REC	270266	1	11/19/2018 22:04	YH
Surr: Phenol-d5	51.3	45.7-120		%REC	270266	1	11/19/2018 22:04	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	5460	189		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Arsenic	BRL	142		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Barium	50.5	9.45		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Cadmium	BRL	0.94		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Chromium	24.5	18.9		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Cobalt	BRL	4.73		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Copper	26.4	1.89		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Lead	49.7	0.94		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Nickel	9.01	4.73		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Selenium	BRL	47.3		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Vanadium	26.2	4.73		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
Zinc	127	9.45		mg/Kg-dry	269291	20	11/16/2018 22:58	KP
PERCENT MOISTURE D2216								
Percent Moisture	24.9	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-9
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:00:00 PM
Lab ID:	1811D35-023	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 06:14	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 06:14	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 06:14	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:14	BK
Surr: 4-Bromofluorobenzene	97.2	68-127		%REC	270473	1	11/20/2018 06:14	BK
Surr: Dibromofluoromethane	101	84.4-122		%REC	270473	1	11/20/2018 06:14	BK
Surr: Toluene-d8	97.9	80.1-116		%REC	270473	1	11/20/2018 06:14	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	10800	50.0		ug/L	270319	1	11/16/2018 21:10	KP
Arsenic	7.97	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Barium	88.2	10.0		ug/L	270319	1	11/16/2018 21:10	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:10	KP
Chromium	15.6	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Cobalt	42.3	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Copper	18.9	2.00		ug/L	270319	1	11/16/2018 21:10	KP
Lead	31.6	1.00		ug/L	270319	1	11/16/2018 21:10	KP
Nickel	21.2	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Vanadium	17.1	5.00		ug/L	270319	1	11/16/2018 21:10	KP
Zinc	83.7	10.0		ug/L	270319	1	11/16/2018 21:10	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 13:39	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-9
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:00:00 PM
Lab ID:	1811D35-023	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Pentachlorophenol	52	25		ug/L	270289	1	11/19/2018 13:39	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 13:39	YH
Surr: 2,4,6-Tribromophenol	120	47-127		%REC	270289	1	11/19/2018 13:39	YH
Surr: 2-Fluorobiphenyl	100	47.4-119		%REC	270289	1	11/19/2018 13:39	YH
Surr: 2-Fluorophenol	40.8	26.2-120		%REC	270289	1	11/19/2018 13:39	YH
Surr: 4-Terphenyl-d14	102	45-133		%REC	270289	1	11/19/2018 13:39	YH
Surr: Nitrobenzene-d5	97.3	41.9-121		%REC	270289	1	11/19/2018 13:39	YH
Surr: Phenol-d5	27	17.8-120		%REC	270289	1	11/19/2018 13:39	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 12:49	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-9
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:05:00 PM
Lab ID:	1811D35-024	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Acetone	BRL	0.16		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
2-Butanone	BRL	0.079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
1,1,1-Trichloroethane	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Benzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
1,2-Dichloroethane	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Trichloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Toluene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Tetrachloroethene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Ethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
m,p-Xylene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
o-Xylene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Styrene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
1,3,5-Trimethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
1,2,4-Trimethylbenzene	BRL	0.0079		mg/Kg-dry	270579	1	11/21/2018 20:20	JB
Surr: 4-Bromofluorobenzene	93.7	65.1-125		%REC	270579	1	11/21/2018 20:20	JB
Surr: Dibromofluoromethane	96.7	77.7-123		%REC	270579	1	11/21/2018 20:20	JB
Surr: Toluene-d8	101	83.2-120		%REC	270579	1	11/21/2018 20:20	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.128		mg/Kg-dry	270302	1	11/19/2018 13:52	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Acenaphthene	0.50	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Anthracene	0.80	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Benz(a)anthracene	1.9	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Benzo(a)pyrene	1.1	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Benzo(b)fluoranthene	1.6	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Benzo(k)fluoranthene	0.68	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Carbazole	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Chrysene	2.2	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-9
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:05:00 PM
Lab ID:	1811D35-024	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Fluoranthene	4.8	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Fluorene	0.55	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Naphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Phenanthrene	2.0	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Phenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Pyrene	3.2	0.42		mg/Kg-dry	270266	1	11/19/2018 22:32	YH
Surr: 2,4,6-Tribromophenol	86.3	48.2-133		%REC	270266	1	11/19/2018 22:32	YH
Surr: 2-Fluorobiphenyl	73.7	50.2-120		%REC	270266	1	11/19/2018 22:32	YH
Surr: 2-Fluorophenol	60.9	41.6-120		%REC	270266	1	11/19/2018 22:32	YH
Surr: 4-Terphenyl-d14	77.6	52.1-122		%REC	270266	1	11/19/2018 22:32	YH
Surr: Nitrobenzene-d5	66.1	41.4-120		%REC	270266	1	11/19/2018 22:32	YH
Surr: Phenol-d5	64.8	45.7-120		%REC	270266	1	11/19/2018 22:32	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	3750	182		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Arsenic	BRL	136		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Barium	16.1	9.09		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Cadmium	BRL	0.91		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Chromium	22.8	18.2		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Cobalt	BRL	4.55		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Copper	15.5	1.82		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Lead	13.4	0.91		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Nickel	6.58	4.55		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Selenium	BRL	45.5		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Vanadium	18.3	4.55		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
Zinc	22.5	9.09		mg/Kg-dry	269291	20	11/16/2018 23:02	KP
PERCENT MOISTURE D2216								
Percent Moisture	22.0	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:20:00 PM
Lab ID:	1811D35-025	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 06:39	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 06:39	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 06:39	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 06:39	BK
Surr: 4-Bromofluorobenzene	92.7	68-127		%REC	270473	1	11/20/2018 06:39	BK
Surr: Dibromofluoromethane	90.6	84.4-122		%REC	270473	1	11/20/2018 06:39	BK
Surr: Toluene-d8	99.6	80.1-116		%REC	270473	1	11/20/2018 06:39	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	12800	50.0		ug/L	270319	1	11/16/2018 21:13	KP
Arsenic	16.4	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Barium	139	10.0		ug/L	270319	1	11/16/2018 21:13	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:13	KP
Chromium	36.5	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Cobalt	9.25	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Copper	48.9	2.00		ug/L	270319	1	11/16/2018 21:13	KP
Lead	88.6	1.00		ug/L	270319	1	11/16/2018 21:13	KP
Nickel	11.0	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Vanadium	43.7	5.00		ug/L	270319	1	11/16/2018 21:13	KP
Zinc	136	10.0		ug/L	270319	1	11/16/2018 21:13	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 17:51	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:20:00 PM
Lab ID:	1811D35-025	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Acenaphthene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Fluorene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Pentachlorophenol	55	25		ug/L	270289	1	11/16/2018 17:51	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 17:51	YH
Surr: 2,4,6-Tribromophenol	77.5	47-127		%REC	270289	1	11/16/2018 17:51	YH
Surr: 2-Fluorobiphenyl	77.5	47.4-119		%REC	270289	1	11/16/2018 17:51	YH
Surr: 2-Fluorophenol	27.3	26.2-120		%REC	270289	1	11/16/2018 17:51	YH
Surr: 4-Terphenyl-d14	62.4	45-133		%REC	270289	1	11/16/2018 17:51	YH
Surr: Nitrobenzene-d5	70.1	41.9-121		%REC	270289	1	11/16/2018 17:51	YH
Surr: Phenol-d5	21	17.8-120		%REC	270289	1	11/16/2018 17:51	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:05	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:25:00 PM
Lab ID:	1811D35-026	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Acetone	BRL	0.17		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
2-Butanone	BRL	0.086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
1,1,1-Trichloroethane	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Benzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
1,2-Dichloroethane	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Trichloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Toluene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Tetrachloroethene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Ethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
m,p-Xylene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
o-Xylene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Styrene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
1,3,5-Trimethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
1,2,4-Trimethylbenzene	BRL	0.0086		mg/Kg-dry	270579	1	11/21/2018 20:45	JB
Surr: 4-Bromofluorobenzene	93.3	65.1-125		%REC	270579	1	11/21/2018 20:45	JB
Surr: Dibromofluoromethane	98.9	77.7-123		%REC	270579	1	11/21/2018 20:45	JB
Surr: Toluene-d8	102	83.2-120		%REC	270579	1	11/21/2018 20:45	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.125		mg/Kg-dry	270302	1	11/19/2018 14:00	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Benzo(b)fluoranthene	0.80	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Carbazole	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Chrysene	0.43	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:25:00 PM
Lab ID:	1811D35-026	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Fluoranthene	0.86	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Fluorene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Naphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Phenol	BRL	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Pyrene	0.65	0.41		mg/Kg-dry	270266	1	11/19/2018 23:00	YH
Surr: 2,4,6-Tribromophenol	91.3	48.2-133		%REC	270266	1	11/19/2018 23:00	YH
Surr: 2-Fluorobiphenyl	79.8	50.2-120		%REC	270266	1	11/19/2018 23:00	YH
Surr: 2-Fluorophenol	63.6	41.6-120		%REC	270266	1	11/19/2018 23:00	YH
Surr: 4-Terphenyl-d14	82.2	52.1-122		%REC	270266	1	11/19/2018 23:00	YH
Surr: Nitrobenzene-d5	68.7	41.4-120		%REC	270266	1	11/19/2018 23:00	YH
Surr: Phenol-d5	68.6	45.7-120		%REC	270266	1	11/19/2018 23:00	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	3430	185		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Arsenic	BRL	139		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Barium	37.6	9.26		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Cadmium	BRL	0.93		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Chromium	BRL	18.5		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Cobalt	BRL	4.63		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Copper	11.0	1.85		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Lead	20.4	0.93		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Nickel	BRL	4.63		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Selenium	BRL	46.3		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Vanadium	15.6	4.63		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
Zinc	35.9	9.26		mg/Kg-dry	269291	20	11/16/2018 23:05	KP
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:40:00 PM
Lab ID:	1811D35-027	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 07:04	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 07:04	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 07:04	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:04	BK
Surr: 4-Bromofluorobenzene	95.2	68-127		%REC	270473	1	11/20/2018 07:04	BK
Surr: Dibromofluoromethane	96.8	84.4-122		%REC	270473	1	11/20/2018 07:04	BK
Surr: Toluene-d8	98.8	80.1-116		%REC	270473	1	11/20/2018 07:04	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	3300	50.0		ug/L	270319	1	11/16/2018 21:16	KP
Arsenic	17.0	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Barium	73.9	10.0		ug/L	270319	1	11/16/2018 21:16	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:16	KP
Chromium	20.8	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Cobalt	BRL	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Copper	18.4	2.00		ug/L	270319	1	11/16/2018 21:16	KP
Lead	25.5	1.00		ug/L	270319	1	11/16/2018 21:16	KP
Nickel	BRL	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Vanadium	10.9	5.00		ug/L	270319	1	11/16/2018 21:16	KP
Zinc	74.1	10.0		ug/L	270319	1	11/16/2018 21:16	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/19/2018 14:06	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:40:00 PM
Lab ID:	1811D35-027	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Acenaphthene	11	10		ug/L	270289	1	11/19/2018 14:06	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Anthracene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Carbazole	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Chrysene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Fluorene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Naphthalene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Pentachlorophenol	53	25		ug/L	270289	1	11/19/2018 14:06	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Phenol	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Pyrene	BRL	10		ug/L	270289	1	11/19/2018 14:06	YH
Surr: 2,4,6-Tribromophenol	103	47-127		%REC	270289	1	11/19/2018 14:06	YH
Surr: 2-Fluorobiphenyl	87.1	47.4-119		%REC	270289	1	11/19/2018 14:06	YH
Surr: 2-Fluorophenol	29.7	26.2-120		%REC	270289	1	11/19/2018 14:06	YH
Surr: 4-Terphenyl-d14	69.9	45-133		%REC	270289	1	11/19/2018 14:06	YH
Surr: Nitrobenzene-d5	85	41.9-121		%REC	270289	1	11/19/2018 14:06	YH
Surr: Phenol-d5	19.7	17.8-120		%REC	270289	1	11/19/2018 14:06	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:15	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:45:00 PM
Lab ID:	1811D35-028	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Acetone	BRL	0.20		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
2-Butanone	BRL	0.10		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
1,1,1-Trichloroethane	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Benzene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
1,2-Dichloroethane	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Trichloroethene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Toluene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Tetrachloroethene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Ethylbenzene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
m,p-Xylene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
o-Xylene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Styrene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
1,3,5-Trimethylbenzene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
1,2,4-Trimethylbenzene	BRL	0.010		mg/Kg-dry	270579	1	11/21/2018 21:11	JB
Surr: 4-Bromofluorobenzene	95.4	65.1-125		%REC	270579	1	11/21/2018 21:11	JB
Surr: Dibromofluoromethane	95.6	77.7-123		%REC	270579	1	11/21/2018 21:11	JB
Surr: Toluene-d8	100	83.2-120		%REC	270579	1	11/21/2018 21:11	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.126		mg/Kg-dry	270302	1	11/19/2018 14:09	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Acenaphthene	0.84	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Anthracene	0.51	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Benz(a)anthracene	1.1	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Benzo(b)fluoranthene	1.0	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Carbazole	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Chrysene	0.90	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 3:45:00 PM
Lab ID:	1811D35-028	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Dibenzofuran	0.44	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Fluoranthene	6.3	4.2		mg/Kg-dry	270266	10	11/20/2018 13:25	YH
Fluorene	0.70	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Naphthalene	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Phenanthrene	1.2	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Phenol	BRL	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Pyrene	4.0	0.42		mg/Kg-dry	270266	1	11/19/2018 23:27	YH
Surr: 2,4,6-Tribromophenol	112	48.2-133		%REC	270266	1	11/19/2018 23:27	YH
Surr: 2-Fluorobiphenyl	95.4	50.2-120		%REC	270266	1	11/19/2018 23:27	YH
Surr: 2-Fluorophenol	78.1	41.6-120		%REC	270266	1	11/19/2018 23:27	YH
Surr: 4-Terphenyl-d14	101	52.1-122		%REC	270266	1	11/19/2018 23:27	YH
Surr: Nitrobenzene-d5	83.8	41.4-120		%REC	270266	1	11/19/2018 23:27	YH
Surr: Phenol-d5	83.3	45.7-120		%REC	270266	1	11/19/2018 23:27	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	4690	210		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Arsenic	BRL	158		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Barium	39.6	10.5		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Cadmium	BRL	1.05		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Chromium	120	21.0		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Cobalt	7.38	5.26		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Copper	299	2.10		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Lead	9.04	1.05		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Nickel	6.30	5.26		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Selenium	BRL	52.6		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Vanadium	22.8	5.26		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
Zinc	58.6	10.5		mg/Kg-dry	269291	20	11/16/2018 23:08	KP
PERCENT MOISTURE D2216								
Percent Moisture	20.5	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-10
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:00:00 PM
Lab ID:	1811D35-029	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 07:29	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 07:29	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 07:29	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 07:29	BK
Surr: 4-Bromofluorobenzene	96.7	68-127		%REC	270473	1	11/20/2018 07:29	BK
Surr: Dibromofluoromethane	101	84.4-122		%REC	270473	1	11/20/2018 07:29	BK
Surr: Toluene-d8	97.1	80.1-116		%REC	270473	1	11/20/2018 07:29	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	3570	50.0		ug/L	270319	1	11/16/2018 21:29	KP
Arsenic	18.1	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Barium	78.7	10.0		ug/L	270319	1	11/16/2018 21:29	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:29	KP
Chromium	22.4	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Cobalt	BRL	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Copper	19.7	2.00		ug/L	270319	1	11/16/2018 21:29	KP
Lead	27.8	1.00		ug/L	270319	1	11/16/2018 21:29	KP
Nickel	BRL	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Vanadium	11.6	5.00		ug/L	270319	1	11/16/2018 21:29	KP
Zinc	78.0	10.0		ug/L	270319	1	11/16/2018 21:29	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
2,4-Dimethylphenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 18:45	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-10
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:00:00 PM
Lab ID:	1811D35-029	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Acenaphthene	14	10		ug/L	270289	1	11/16/2018 18:45	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Dibenzofuran	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Fluorene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Pentachlorophenol	56	25		ug/L	270289	1	11/16/2018 18:45	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 18:45	YH
Surr: 2,4,6-Tribromophenol	113	47-127		%REC	270289	1	11/16/2018 18:45	YH
Surr: 2-Fluorobiphenyl	93.3	47.4-119		%REC	270289	1	11/16/2018 18:45	YH
Surr: 2-Fluorophenol	43.9	26.2-120		%REC	270289	1	11/16/2018 18:45	YH
Surr: 4-Terphenyl-d14	87	45-133		%REC	270289	1	11/16/2018 18:45	YH
Surr: Nitrobenzene-d5	88.9	41.9-121		%REC	270289	1	11/16/2018 18:45	YH
Surr: Phenol-d5	30.6	17.8-120		%REC	270289	1	11/16/2018 18:45	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:18	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-10
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:05:00 PM
Lab ID:	1811D35-030	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Acetone	BRL	0.19		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
2-Butanone	BRL	0.097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
1,1,1-Trichloroethane	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Benzene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
1,2-Dichloroethane	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Trichloroethene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Toluene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Tetrachloroethene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Ethylbenzene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
m,p-Xylene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
o-Xylene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Styrene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
1,3,5-Trimethylbenzene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
1,2,4-Trimethylbenzene	BRL	0.0097		mg/Kg-dry	270579	1	11/23/2018 14:39	JB
Surr: 4-Bromofluorobenzene	89.8	65.1-125		%REC	270579	1	11/23/2018 14:39	JB
Surr: Dibromofluoromethane	98.6	77.7-123		%REC	270579	1	11/23/2018 14:39	JB
Surr: Toluene-d8	104	83.2-120		%REC	270579	1	11/23/2018 14:39	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.133		mg/Kg-dry	270302	1	11/19/2018 14:18	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Acenaphthene	0.85	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Anthracene	1.1	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Benz(a)anthracene	1.3	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Benzo(a)pyrene	0.47	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Benzo(b)fluoranthene	1.2	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Carbazole	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Chrysene	1.1	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-10
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:05:00 PM
Lab ID:	1811D35-030	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Dibenzofuran	0.50	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Fluoranthene	6.3	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Fluorene	0.83	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Naphthalene	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Phenanthrene	2.1	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Phenol	BRL	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Pyrene	3.7	0.44		mg/Kg-dry	270266	1	11/19/2018 23:53	YH
Surr: 2,4,6-Tribromophenol	97.2	48.2-133		%REC	270266	1	11/19/2018 23:53	YH
Surr: 2-Fluorobiphenyl	85.1	50.2-120		%REC	270266	1	11/19/2018 23:53	YH
Surr: 2-Fluorophenol	68.1	41.6-120		%REC	270266	1	11/19/2018 23:53	YH
Surr: 4-Terphenyl-d14	88.7	52.1-122		%REC	270266	1	11/19/2018 23:53	YH
Surr: Nitrobenzene-d5	75.2	41.4-120		%REC	270266	1	11/19/2018 23:53	YH
Surr: Phenol-d5	73.5	45.7-120		%REC	270266	1	11/19/2018 23:53	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	2650	197		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Arsenic	BRL	148		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Barium	23.9	9.87		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Cadmium	BRL	0.99		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Chromium	BRL	19.7		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Cobalt	BRL	4.93		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Copper	8.19	1.97		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Lead	9.49	0.99		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Nickel	BRL	4.93		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Selenium	BRL	49.3		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Vanadium	11.8	4.93		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
Zinc	46.9	9.87		mg/Kg-dry	269291	20	11/16/2018 23:21	KP
PERCENT MOISTURE D2216								
Percent Moisture	24.9	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:20:00 PM
Lab ID:	1811D35-031	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 00:00	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 00:00	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Benzene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Toluene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Ethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 00:00	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 00:00	BK
Surr: 4-Bromofluorobenzene	94.4	68-127		%REC	270473	1	11/20/2018 00:00	BK
Surr: Dibromofluoromethane	95.9	84.4-122		%REC	270473	1	11/20/2018 00:00	BK
Surr: Toluene-d8	99.4	80.1-116		%REC	270473	1	11/20/2018 00:00	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	3490	50.0		ug/L	270319	1	11/16/2018 21:32	KP
Arsenic	32.0	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Barium	72.9	10.0		ug/L	270319	1	11/16/2018 21:32	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:32	KP
Chromium	35.8	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Cobalt	BRL	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Copper	24.5	2.00		ug/L	270319	1	11/16/2018 21:32	KP
Lead	21.1	1.00		ug/L	270319	1	11/16/2018 21:32	KP
Nickel	BRL	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Vanadium	10.2	5.00		ug/L	270319	1	11/16/2018 21:32	KP
Zinc	101	10.0		ug/L	270319	1	11/16/2018 21:32	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
2,4-Dimethylphenol	16	10		ug/L	270289	1	11/16/2018 19:12	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 19:12	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
2-Methylnaphthalene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
2-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:20:00 PM
Lab ID:	1811D35-031	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Acenaphthene	26	10		ug/L	270289	1	11/16/2018 19:12	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Carbazole	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Dibenzofuran	11	10		ug/L	270289	1	11/16/2018 19:12	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Fluorene	18	10		ug/L	270289	1	11/16/2018 19:12	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Naphthalene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Pentachlorophenol	35	25		ug/L	270289	1	11/16/2018 19:12	YH
Phenanthrene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:12	YH
Surr: 2,4,6-Tribromophenol	104	47-127		%REC	270289	1	11/16/2018 19:12	YH
Surr: 2-Fluorobiphenyl	85	47.4-119		%REC	270289	1	11/16/2018 19:12	YH
Surr: 2-Fluorophenol	38.9	26.2-120		%REC	270289	1	11/16/2018 19:12	YH
Surr: 4-Terphenyl-d14	75.7	45-133		%REC	270289	1	11/16/2018 19:12	YH
Surr: Nitrobenzene-d5	74.8	41.9-121		%REC	270289	1	11/16/2018 19:12	YH
Surr: Phenol-d5	27.7	17.8-120		%REC	270289	1	11/16/2018 19:12	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:22	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:25:00 PM
Lab ID:	1811D35-032	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Acetone	BRL	0.16		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
2-Butanone	BRL	0.080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
1,1,1-Trichloroethane	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Benzene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
1,2-Dichloroethane	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Trichloroethene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Toluene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Tetrachloroethene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Ethylbenzene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
m,p-Xylene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
o-Xylene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Styrene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
1,3,5-Trimethylbenzene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
1,2,4-Trimethylbenzene	BRL	0.0080		mg/Kg-dry	270631	1	11/22/2018 00:07	JB
Surr: 4-Bromofluorobenzene	93.8	65.1-125		%REC	270631	1	11/22/2018 00:07	JB
Surr: Dibromofluoromethane	99.7	77.7-123		%REC	270631	1	11/22/2018 00:07	JB
Surr: Toluene-d8	102	83.2-120		%REC	270631	1	11/22/2018 00:07	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.125		mg/Kg-dry	270302	1	11/19/2018 14:45	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Acenaphthene	5.2	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Anthracene	1.9	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Benz(a)anthracene	1.5	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Benzo(b)fluoranthene	1.0	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Carbazole	0.97	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Chrysene	1.3	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:25:00 PM
Lab ID:	1811D35-032	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Dibenzofuran	3.2	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Fluoranthene	11	4.1		mg/Kg-dry	270266	10	11/20/2018 13:52	YH
Fluorene	5.4	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Naphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Phenanthrene	9.8	4.1		mg/Kg-dry	270266	10	11/20/2018 13:52	YH
Phenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:20	YH
Pyrene	5.9	4.1		mg/Kg-dry	270266	10	11/20/2018 13:52	YH
Surr: 2,4,6-Tribromophenol	102	48.2-133		%REC	270266	1	11/20/2018 00:20	YH
Surr: 2-Fluorobiphenyl	85.3	50.2-120		%REC	270266	1	11/20/2018 00:20	YH
Surr: 2-Fluorophenol	68.1	41.6-120		%REC	270266	1	11/20/2018 00:20	YH
Surr: 4-Terphenyl-d14	93.7	52.1-122		%REC	270266	1	11/20/2018 00:20	YH
Surr: Nitrobenzene-d5	76.9	41.4-120		%REC	270266	1	11/20/2018 00:20	YH
Surr: Phenol-d5	72.8	45.7-120		%REC	270266	1	11/20/2018 00:20	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	3050	184		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Arsenic	BRL	138		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Barium	28.5	9.18		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Cadmium	BRL	0.92		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Chromium	31.0	18.4		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Cobalt	6.14	4.59		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Copper	6.96	1.84		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Lead	7.92	0.92		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Nickel	BRL	4.59		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Selenium	BRL	45.9		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Vanadium	13.1	4.59		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
Zinc	53.3	9.18		mg/Kg-dry	269291	20	11/16/2018 23:24	KP
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:40:00 PM
Lab ID:	1811D35-033	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 00:49	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 00:49	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Benzene	1.1	1.0		ug/L	270473	1	11/20/2018 00:49	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Toluene	1.2	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Ethylbenzene	1.3	1.0		ug/L	270473	1	11/20/2018 00:49	BK
m,p-Xylene	BRL	2.0		ug/L	270473	1	11/20/2018 00:49	BK
o-Xylene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 00:49	BK
1,2,4-Trimethylbenzene	2.0	1.0		ug/L	270473	1	11/20/2018 00:49	BK
Surr: 4-Bromofluorobenzene	91.6	68-127		%REC	270473	1	11/20/2018 00:49	BK
Surr: Dibromofluoromethane	91.4	84.4-122		%REC	270473	1	11/20/2018 00:49	BK
Surr: Toluene-d8	96.3	80.1-116		%REC	270473	1	11/20/2018 00:49	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	4830	50.0		ug/L	270319	1	11/16/2018 21:35	KP
Arsenic	24.4	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Barium	84.7	10.0		ug/L	270319	1	11/16/2018 21:35	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:35	KP
Chromium	32.9	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Cobalt	5.53	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Copper	25.0	2.00		ug/L	270319	1	11/16/2018 21:35	KP
Lead	29.8	1.00		ug/L	270319	1	11/16/2018 21:35	KP
Nickel	BRL	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Vanadium	13.8	5.00		ug/L	270319	1	11/16/2018 21:35	KP
Zinc	119	10.0		ug/L	270319	1	11/16/2018 21:35	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
2,4-Dimethylphenol	54	10		ug/L	270289	1	11/16/2018 19:37	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 19:37	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
2-Methylnaphthalene	33	10		ug/L	270289	1	11/16/2018 19:37	YH
2-Methylphenol	20	10		ug/L	270289	1	11/16/2018 19:37	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:40:00 PM
Lab ID:	1811D35-033	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	29	10		ug/L	270289	1	11/16/2018 19:37	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Acenaphthene	47	10		ug/L	270289	1	11/16/2018 19:37	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Carbazole	28	10		ug/L	270289	1	11/16/2018 19:37	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Dibenzofuran	28	10		ug/L	270289	1	11/16/2018 19:37	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Fluorene	32	10		ug/L	270289	1	11/16/2018 19:37	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Naphthalene	150	10		ug/L	270289	1	11/16/2018 19:37	YH
Pentachlorophenol	54	25		ug/L	270289	1	11/16/2018 19:37	YH
Phenanthrene	27	10		ug/L	270289	1	11/16/2018 19:37	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 19:37	YH
Surr: 2,4,6-Tribromophenol	112	47-127		%REC	270289	1	11/16/2018 19:37	YH
Surr: 2-Fluorobiphenyl	90.5	47.4-119		%REC	270289	1	11/16/2018 19:37	YH
Surr: 2-Fluorophenol	46.7	26.2-120		%REC	270289	1	11/16/2018 19:37	YH
Surr: 4-Terphenyl-d14	85.5	45-133		%REC	270289	1	11/16/2018 19:37	YH
Surr: Nitrobenzene-d5	86.7	41.9-121		%REC	270289	1	11/16/2018 19:37	YH
Surr: Phenol-d5	32.8	17.8-120		%REC	270289	1	11/16/2018 19:37	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:25	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:45:00 PM
Lab ID:	1811D35-034	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Acetone	BRL	0.20		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
2-Butanone	BRL	0.10		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
1,1,1-Trichloroethane	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Benzene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
1,2-Dichloroethane	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Trichloroethene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Toluene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Tetrachloroethene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Ethylbenzene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
m,p-Xylene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
o-Xylene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Styrene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
1,3,5-Trimethylbenzene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
1,2,4-Trimethylbenzene	BRL	0.010		mg/Kg-dry	270631	1	11/22/2018 00:32	JB
Surr: 4-Bromofluorobenzene	94.8	65.1-125		%REC	270631	1	11/22/2018 00:32	JB
Surr: Dibromofluoromethane	99.1	77.7-123		%REC	270631	1	11/22/2018 00:32	JB
Surr: Toluene-d8	101	83.2-120		%REC	270631	1	11/22/2018 00:32	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.123		mg/Kg-dry	270302	1	11/19/2018 14:54	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Acenaphthene	3.7	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Anthracene	0.83	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Benz(a)anthracene	2.3	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Benzo(a)pyrene	1.1	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Benzo(b)fluoranthene	2.0	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Benzo(k)fluoranthene	0.49	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Carbazole	1.8	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Chrysene	2.1	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 4:45:00 PM
Lab ID:	1811D35-034	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Dibenzofuran	2.1	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Fluoranthene	7.7	4.1		mg/Kg-dry	270266	10	11/20/2018 14:18	YH
Fluorene	2.9	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Naphthalene	0.60	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Phenanthrene	3.1	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Phenol	BRL	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Pyrene	5.5	0.41		mg/Kg-dry	270266	1	11/20/2018 00:47	YH
Surr: 2,4,6-Tribromophenol	82	48.2-133		%REC	270266	1	11/20/2018 00:47	YH
Surr: 2-Fluorobiphenyl	70.6	50.2-120		%REC	270266	1	11/20/2018 00:47	YH
Surr: 2-Fluorophenol	57.6	41.6-120		%REC	270266	1	11/20/2018 00:47	YH
Surr: 4-Terphenyl-d14	78.9	52.1-122		%REC	270266	1	11/20/2018 00:47	YH
Surr: Nitrobenzene-d5	63.8	41.4-120		%REC	270266	1	11/20/2018 00:47	YH
Surr: Phenol-d5	62	45.7-120		%REC	270266	1	11/20/2018 00:47	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	2090	186		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Arsenic	BRL	139		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Barium	24.8	9.29		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Cadmium	BRL	0.93		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Chromium	BRL	18.6		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Cobalt	BRL	4.64		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Copper	6.93	1.86		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Lead	11.5	0.93		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Nickel	47.6	4.64		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Selenium	BRL	46.4		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Vanadium	10.9	4.64		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
Zinc	53.8	9.29		mg/Kg-dry	269291	20	11/16/2018 23:27	KP
PERCENT MOISTURE D2216								
Percent Moisture	19.0	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 5:05:00 PM
Lab ID:	1811D35-035	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Acetone	BRL	50		ug/L	270473	1	11/20/2018 01:39	BK
2-Butanone	BRL	50		ug/L	270473	1	11/20/2018 01:39	BK
1,1,1-Trichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Benzene	1.4	1.0		ug/L	270473	1	11/20/2018 01:39	BK
1,2-Dichloroethane	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Trichloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Toluene	1.4	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Tetrachloroethene	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Ethylbenzene	1.6	1.0		ug/L	270473	1	11/20/2018 01:39	BK
m,p-Xylene	2.0	2.0		ug/L	270473	1	11/20/2018 01:39	BK
o-Xylene	1.3	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Styrene	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270473	1	11/20/2018 01:39	BK
1,2,4-Trimethylbenzene	2.2	1.0		ug/L	270473	1	11/20/2018 01:39	BK
Surr: 4-Bromofluorobenzene	98	68-127		%REC	270473	1	11/20/2018 01:39	BK
Surr: Dibromofluoromethane	103	84.4-122		%REC	270473	1	11/20/2018 01:39	BK
Surr: Toluene-d8	97	80.1-116		%REC	270473	1	11/20/2018 01:39	BK
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	15300	50.0		ug/L	270319	1	11/16/2018 21:39	KP
Arsenic	19.8	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Barium	155	10.0		ug/L	270319	1	11/16/2018 21:39	KP
Cadmium	BRL	0.700		ug/L	270319	1	11/16/2018 21:39	KP
Chromium	48.6	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Cobalt	11.4	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Copper	49.3	2.00		ug/L	270319	1	11/16/2018 21:39	KP
Lead	96.9	1.00		ug/L	270319	1	11/16/2018 21:39	KP
Nickel	11.1	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Selenium	BRL	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Vanadium	48.0	5.00		ug/L	270319	1	11/16/2018 21:39	KP
Zinc	169	10.0		ug/L	270319	1	11/16/2018 21:39	KP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
2,4-Dimethylphenol	67	10		ug/L	270289	1	11/16/2018 20:04	YH
2,4-Dinitrophenol	BRL	25		ug/L	270289	1	11/16/2018 20:04	YH
2-Chlorophenol	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
2-Methylnaphthalene	42	10		ug/L	270289	1	11/16/2018 20:04	YH
2-Methylphenol	25	10		ug/L	270289	1	11/16/2018 20:04	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 5:05:00 PM
Lab ID:	1811D35-035	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
3,4-Methylphenol	35	10		ug/L	270289	1	11/16/2018 20:04	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Acenaphthene	50	10		ug/L	270289	1	11/16/2018 20:04	YH
Acenaphthylene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Anthracene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Benz(a)anthracene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Benzo(a)pyrene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Benzo(b)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Carbazole	36	10		ug/L	270289	1	11/16/2018 20:04	YH
Chrysene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Dibenzofuran	32	10		ug/L	270289	1	11/16/2018 20:04	YH
Fluoranthene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Fluorene	34	10		ug/L	270289	1	11/16/2018 20:04	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Naphthalene	220	50		ug/L	270289	5	11/20/2018 17:57	YH
Pentachlorophenol	76	25		ug/L	270289	1	11/16/2018 20:04	YH
Phenanthrene	31	10		ug/L	270289	1	11/16/2018 20:04	YH
Phenol	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Pyrene	BRL	10		ug/L	270289	1	11/16/2018 20:04	YH
Surr: 2,4,6-Tribromophenol	111	47-127		%REC	270289	1	11/16/2018 20:04	YH
Surr: 2-Fluorobiphenyl	88.6	47.4-119		%REC	270289	1	11/16/2018 20:04	YH
Surr: 2-Fluorophenol	38.7	26.2-120		%REC	270289	1	11/16/2018 20:04	YH
Surr: 4-Terphenyl-d14	83.5	45-133		%REC	270289	1	11/16/2018 20:04	YH
Surr: Nitrobenzene-d5	80.8	41.9-121		%REC	270289	1	11/16/2018 20:04	YH
Surr: Phenol-d5	28.5	17.8-120		%REC	270289	1	11/16/2018 20:04	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	270466	1	11/20/2018 13:28	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 5:10:00 PM
Lab ID:	1811D35-036	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Acetone	BRL	0.17		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
2-Butanone	BRL	0.085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
1,1,1-Trichloroethane	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Benzene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
1,2-Dichloroethane	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Trichloroethene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Toluene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Tetrachloroethene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Ethylbenzene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
m,p-Xylene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
o-Xylene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Styrene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
1,3,5-Trimethylbenzene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
1,2,4-Trimethylbenzene	BRL	0.0085		mg/Kg-dry	270631	1	11/22/2018 00:57	JB
Surr: 4-Bromofluorobenzene	94.8	65.1-125		%REC	270631	1	11/22/2018 00:57	JB
Surr: Dibromofluoromethane	102	77.7-123		%REC	270631	1	11/22/2018 00:57	JB
Surr: Toluene-d8	101	83.2-120		%REC	270631	1	11/22/2018 00:57	JB
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.120		mg/Kg-dry	270302	1	11/19/2018 15:02	AJ
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
2-Methylnaphthalene	7.2	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Acenaphthene	12	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Anthracene	2.6	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Benz(a)anthracene	1.7	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Benzo(a)pyrene	0.49	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Benzo(b)fluoranthene	1.2	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Carbazole	1.9	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Chrysene	1.4	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	OUTFALL-2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018 5:10:00 PM
Lab ID:	1811D35-036	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Dibenzofuran	8.2	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Fluoranthene	12	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Fluorene	10	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Naphthalene	8.1	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Phenanthrene	22	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Phenol	BRL	0.39		mg/Kg-dry	270266	1	11/20/2018 01:15	YH
Pyrene	6.6	3.9		mg/Kg-dry	270266	10	11/20/2018 14:47	YH
Surr: 2,4,6-Tribromophenol	87.9	48.2-133		%REC	270266	1	11/20/2018 01:15	YH
Surr: 2-Fluorobiphenyl	71.5	50.2-120		%REC	270266	1	11/20/2018 01:15	YH
Surr: 2-Fluorophenol	60.8	41.6-120		%REC	270266	1	11/20/2018 01:15	YH
Surr: 4-Terphenyl-d14	84.5	52.1-122		%REC	270266	1	11/20/2018 01:15	YH
Surr: Nitrobenzene-d5	67.7	41.4-120		%REC	270266	1	11/20/2018 01:15	YH
Surr: Phenol-d5	64.6	45.7-120		%REC	270266	1	11/20/2018 01:15	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	3180	171		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Arsenic	BRL	128		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Barium	40.5	8.53		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Cadmium	BRL	0.85		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Chromium	133	17.1		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Cobalt	BRL	4.27		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Copper	15.9	1.71		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Lead	6.82	0.85		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Nickel	BRL	4.27		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Selenium	BRL	42.7		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Vanadium	21.5	4.27		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
Zinc	57.2	8.53		mg/Kg-dry	269291	20	11/16/2018 23:30	KP
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R384760	1	11/15/2018 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK1
Project Name:	WC Meredith	**Collection Date:**	11/14/2018
Lab ID:	1811D35-037	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Acetone	BRL	50		ug/L	270405	1	11/20/2018 11:15	OM
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 11:15	OM
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 11:15	OM
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:15	OM
Surr: 4-Bromofluorobenzene	98.5	68-127		%REC	270405	1	11/20/2018 11:15	OM
Surr: Dibromofluoromethane	96.9	84.4-122		%REC	270405	1	11/20/2018 11:15	OM
Surr: Toluene-d8	99.4	80.1-116		%REC	270405	1	11/20/2018 11:15	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK2
Project Name:	WC Meredith	**Collection Date:**	11/14/2018
Lab ID:	1811D35-038	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Acetone	BRL	50		ug/L	270405	1	11/20/2018 11:40	OM
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 11:40	OM
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 11:40	OM
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 11:40	OM
Surr: 4-Bromofluorobenzene	99.1	68-127		%REC	270405	1	11/20/2018 11:40	OM
Surr: Dibromofluoromethane	96.2	84.4-122		%REC	270405	1	11/20/2018 11:40	OM
Surr: Toluene-d8	99.3	80.1-116		%REC	270405	1	11/20/2018 11:40	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK3
Project Name:	WC Meredith	**Collection Date:**	11/14/2018
Lab ID:	1811D35-039	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Acetone	BRL	50		ug/L	270405	1	11/20/2018 12:05	OM
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 12:05	OM
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 12:05	OM
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:05	OM
Surr: 4-Bromofluorobenzene	99.3	68-127		%REC	270405	1	11/20/2018 12:05	OM
Surr: Dibromofluoromethane	96	84.4-122		%REC	270405	1	11/20/2018 12:05	OM
Surr: Toluene-d8	99.2	80.1-116		%REC	270405	1	11/20/2018 12:05	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Nov-18

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK4
Project Name:	WC Meredith	**Collection Date:**	11/14/2018
Lab ID:	1811D35-040	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Acetone	BRL	50		ug/L	270405	1	11/20/2018 12:30	OM
2-Butanone	BRL	50		ug/L	270405	1	11/20/2018 12:30	OM
1,1,1-Trichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Benzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
1,2-Dichloroethane	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Trichloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Toluene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Tetrachloroethene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Ethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
m,p-Xylene	BRL	2.0		ug/L	270405	1	11/20/2018 12:30	OM
o-Xylene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Styrene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	270405	1	11/20/2018 12:30	OM
Surr: 4-Bromofluorobenzene	98.9	68-127		%REC	270405	1	11/20/2018 12:30	OM
Surr: Dibromofluoromethane	95.8	84.4-122		%REC	270405	1	11/20/2018 12:30	OM
Surr: Toluene-d8	99.7	80.1-116		%REC	270405	1	11/20/2018 12:30	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 26-Nov-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-1A				**Lab ID:** 1811D35-001			
Collection Date: 11/14/2018 9:50:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	16900		8.58	50.0	ug/L	270319	1
Arsenic	28.4		2.05	5.00	ug/L	270319	1
Barium	155		0.205	10.0	ug/L	270319	1
Chromium	54.1		1.76	5.00	ug/L	270319	1
Cobalt	8.98		0.279	5.00	ug/L	270319	1
Copper	104		1.86	2.00	ug/L	270319	1
Lead	101		0.621	1.00	ug/L	270319	1
Nickel	15.7		0.226	5.00	ug/L	270319	1
Vanadium	51.3		2.11	5.00	ug/L	270319	1
Zinc	230		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	100		5.6	50	ug/L	270289	5
Pentachlorophenol	950		15	630	ug/L	270289	25
Client Sample ID: PB-1A				**Lab ID:** 1811D35-002			
Collection Date: 11/14/2018 9:55:00 AM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2,3,4,6-Tetrachlorophenol	0.60		0.040	0.41	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	0.59		0.20	0.41	mg/Kg-dry	270266	1
Fluoranthene	0.49		0.048	0.41	mg/Kg-dry	270266	1
Pentachlorophenol	6.4		0.25	3.1	mg/Kg-dry	270266	5
Pyrene	0.56		0.20	0.41	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	5740		106	193	mg/Kg-dry	269291	20
Barium	58.6		0.494	9.65	mg/Kg-dry	269291	20
Chromium	26.1		4.46	19.3	mg/Kg-dry	269291	20
Copper	28.5		1.90	1.93	mg/Kg-dry	269291	20
Lead	31.8		0.905	0.96	mg/Kg-dry	269291	20
Nickel	7.68		0.434	4.83	mg/Kg-dry	269291	20
Vanadium	33.7		3.17	4.83	mg/Kg-dry	269291	20
Zinc	105		4.73	9.65	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	20.4		0	0	wt%	R384760	1
Client Sample ID: PB-1				**Lab ID:** 1811D35-003			
Collection Date: 11/14/2018 10:15:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	13200		8.58	50.0	ug/L	270319	1
Arsenic	23.9		2.05	5.00	ug/L	270319	1
Barium	129		0.205	10.0	ug/L	270319	1
Chromium	43.4		1.76	5.00	ug/L	270319	1
Cobalt	7.51		0.279	5.00	ug/L	270319	1
Copper	91.7		1.86	2.00	ug/L	270319	1
Lead	90.3		0.621	1.00	ug/L	270319	1
Nickel	13.2		0.226	5.00	ug/L	270319	1
Vanadium	43.7		2.11	5.00	ug/L	270319	1
Zinc	201		1.68	10.0	ug/L	270319	1

Analytical Environmental Services, Inc

Date: 26-Nov-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-1				**Lab ID:** 1811D35-003			
Collection Date: 11/14/2018 10:15:00 AM				**Matrix:** Surface Water			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	100		5.6	50	ug/L	270289	5
Pentachlorophenol	940		15	630	ug/L	270289	25
Client Sample ID: PB-1				**Lab ID:** 1811D35-004			
Collection Date: 11/14/2018 10:20:00 AM				**Matrix:** Sediment			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.25		0.0087	0.17	mg/Kg-dry	270579	1
Total Mercury by SW7473				**(SW7473)**			
Mercury	0.343		0.0182	0.127	mg/Kg-dry	270302	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2,3,4,6-Tetrachlorophenol	0.45		0.041	0.42	mg/Kg-dry	270266	1
Acenaphthylene	0.44		0.039	0.42	mg/Kg-dry	270266	1
Anthracene	0.95		0.042	0.42	mg/Kg-dry	270266	1
Benz(a)anthracene	1.2		0.19	0.42	mg/Kg-dry	270266	1
Benzo(a)pyrene	1.9		0.23	0.42	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	4.3		0.20	0.42	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	0.74		0.23	0.42	mg/Kg-dry	270266	1
Carbazole	0.46		0.047	0.42	mg/Kg-dry	270266	1
Chrysene	2.5		0.23	0.42	mg/Kg-dry	270266	1
Fluoranthene	1.5		0.049	0.42	mg/Kg-dry	270266	1
Indeno(1,2,3-cd)pyrene	1.5		0.22	0.42	mg/Kg-dry	270266	1
Pentachlorophenol	6.8		0.050	2.2	mg/Kg-dry	270266	1
Phenanthrene	0.56		0.039	0.42	mg/Kg-dry	270266	1
Pyrene	1.5		0.20	0.42	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	9250		100	183	mg/Kg-dry	269291	20
Barium	76.0		0.467	9.13	mg/Kg-dry	269291	20
Chromium	73.6		4.22	18.3	mg/Kg-dry	269291	20
Cobalt	6.33		0.692	4.56	mg/Kg-dry	269291	20
Copper	40.0		1.80	1.83	mg/Kg-dry	269291	20
Lead	54.4		0.856	0.91	mg/Kg-dry	269291	20
Nickel	12.2		0.411	4.56	mg/Kg-dry	269291	20
Vanadium	49.8		2.99	4.56	mg/Kg-dry	269291	20
Zinc	107		4.47	9.13	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	21.2		0	0	wt%	R384760	1
Client Sample ID: PB-2				**Lab ID:** 1811D35-005			
Collection Date: 11/14/2018 10:45:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	5690		8.58	50.0	ug/L	270319	1
Arsenic	8.48		2.05	5.00	ug/L	270319	1
Barium	77.6		0.205	10.0	ug/L	270319	1
Chromium	19.5		1.76	5.00	ug/L	270319	1
Copper	62.8		1.86	2.00	ug/L	270319	1
Lead	31.5		0.621	1.00	ug/L	270319	1

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-2				**Lab ID:** 1811D35-005			
Collection Date: 11/14/2018 10:45:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Nickel	6.33		0.226	5.00	ug/L	270319	1
Vanadium	16.9		2.11	5.00	ug/L	270319	1
Zinc	174		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Pentachlorophenol	530		3.1	130	ug/L	270289	5
Client Sample ID: PB-2				**Lab ID:** 1811D35-006			
Collection Date: 11/14/2018 10:50:00 AM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Anthracene	1.0		0.040	0.40	mg/Kg-dry	270266	1
Benz(a)anthracene	1.7		0.19	0.40	mg/Kg-dry	270266	1
Benzo(a)pyrene	1.3		0.22	0.40	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	2.0		0.19	0.40	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	0.62		0.22	0.40	mg/Kg-dry	270266	1
Carbazole	0.45		0.045	0.40	mg/Kg-dry	270266	1
Chrysene	1.7		0.22	0.40	mg/Kg-dry	270266	1
Fluoranthene	3.2		0.046	0.40	mg/Kg-dry	270266	1
Indeno(1,2,3-cd)pyrene	0.79		0.21	0.40	mg/Kg-dry	270266	1
Pentachlorophenol	2.6		0.048	2.1	mg/Kg-dry	270266	1
Phenanthrene	2.7		0.037	0.40	mg/Kg-dry	270266	1
Pyrene	2.6		0.19	0.40	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	11100		98.3	179	mg/Kg-dry	269291	20
Barium	86.5		0.459	8.96	mg/Kg-dry	269291	20
Chromium	62.8		4.14	17.9	mg/Kg-dry	269291	20
Cobalt	4.90		0.679	4.48	mg/Kg-dry	269291	20
Copper	52.9		1.77	1.79	mg/Kg-dry	269291	20
Lead	44.6		0.840	0.90	mg/Kg-dry	269291	20
Nickel	12.6		0.403	4.48	mg/Kg-dry	269291	20
Vanadium	48.0		2.94	4.48	mg/Kg-dry	269291	20
Zinc	240		4.39	8.96	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	17.2		0	0	wt%	R384760	1
Client Sample ID: PB-4A				**Lab ID:** 1811D35-007			
Collection Date: 11/14/2018 11:15:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1000		8.58	50.0	ug/L	270319	1
Arsenic	6.69		2.05	5.00	ug/L	270319	1
Barium	55.6		0.205	10.0	ug/L	270319	1
Chromium	7.71		1.76	5.00	ug/L	270319	1
Copper	7.59		1.86	2.00	ug/L	270319	1
Lead	15.3		0.621	1.00	ug/L	270319	1
Zinc	18.7		1.68	10.0	ug/L	270319	1
Client Sample ID: PB-4A				**Lab ID:** 1811D35-008			
Collection Date: 11/14/2018 11:20:00 AM				**Matrix:** Sediment			

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-4A				**Lab ID:** 1811D35-008			
Collection Date: 11/14/2018 11:20:00 AM				**Matrix:** Sediment			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.18		0.0091	0.18	mg/Kg-dry	270579	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	36800		110	200	mg/Kg-dry	269291	20
Barium	164		0.513	10.0	mg/Kg-dry	269291	20
Chromium	108		4.63	20.0	mg/Kg-dry	269291	20
Cobalt	34.5		0.760	5.01	mg/Kg-dry	269291	20
Copper	88.6		1.98	2.00	mg/Kg-dry	269291	20
Lead	83.6		0.940	1.00	mg/Kg-dry	269291	20
Nickel	27.7		0.451	5.01	mg/Kg-dry	269291	20
Vanadium	232		3.29	5.01	mg/Kg-dry	269291	20
Zinc	102		4.91	10.0	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	28.6		0	0	wt%	R384760	1
Client Sample ID: PB-4B				**Lab ID:** 1811D35-009			
Collection Date: 11/14/2018 11:30:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	22500		8.58	50.0	ug/L	270319	1
Arsenic	220		2.05	5.00	ug/L	270319	1
Barium	175		0.205	10.0	ug/L	270319	1
Chromium	216		1.76	5.00	ug/L	270319	1
Cobalt	29.0		0.279	5.00	ug/L	270319	1
Copper	192		1.86	2.00	ug/L	270319	1
Lead	435		0.621	1.00	ug/L	270319	1
Nickel	21.6		0.226	5.00	ug/L	270319	1
Selenium	6.56		1.49	5.00	ug/L	270319	1
Vanadium	71.9		2.11	5.00	ug/L	270319	1
Zinc	174		1.68	10.0	ug/L	270319	1
Client Sample ID: PB-4B				**Lab ID:** 1811D35-010			
Collection Date: 11/14/2018 11:35:00 AM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthylene	0.80		0.044	0.48	mg/Kg-dry	270266	1
Anthracene	1.1		0.048	0.48	mg/Kg-dry	270266	1
Benz(a)anthracene	2.6		0.22	0.48	mg/Kg-dry	270266	1
Benzo(a)pyrene	2.2		0.26	0.48	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	5.0		0.23	0.48	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	1.5		0.27	0.48	mg/Kg-dry	270266	1
Chrysene	3.7		0.26	0.48	mg/Kg-dry	270266	1
Fluoranthene	4.6		0.056	0.48	mg/Kg-dry	270266	1
Indeno(1,2,3-cd)pyrene	1.4		0.25	0.48	mg/Kg-dry	270266	1
Phenanthrene	1.0		0.045	0.48	mg/Kg-dry	270266	1
Pyrene	4.1		0.23	0.48	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	19500		114	208	mg/Kg-dry	269291	20
Barium	134		0.533	10.4	mg/Kg-dry	269291	20
Chromium	75.2		4.81	20.8	mg/Kg-dry	269291	20

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-4B				**Lab ID:** 1811D35-010			
Collection Date: 11/14/2018 11:35:00 AM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Cobalt	16.8		0.789	5.20	mg/Kg-dry	269291	20
Copper	65.7		2.05	2.08	mg/Kg-dry	269291	20
Lead	254		0.976	1.04	mg/Kg-dry	269291	20
Nickel	19.1		0.468	5.20	mg/Kg-dry	269291	20
Vanadium	81.0		3.41	5.20	mg/Kg-dry	269291	20
Zinc	130		5.10	10.4	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	31.1		0	0	wt%	R384760	1
Client Sample ID: PB-4				**Lab ID:** 1811D35-011			
Collection Date: 11/14/2018 11:45:00 AM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	27000		8.58	50.0	ug/L	270319	1
Arsenic	216		2.05	5.00	ug/L	270319	1
Barium	211		0.205	10.0	ug/L	270319	1
Chromium	222		1.76	5.00	ug/L	270319	1
Cobalt	33.9		0.279	5.00	ug/L	270319	1
Copper	211		1.86	2.00	ug/L	270319	1
Lead	489		0.621	1.00	ug/L	270319	1
Nickel	25.6		0.226	5.00	ug/L	270319	1
Selenium	5.87		1.49	5.00	ug/L	270319	1
Vanadium	84.1		2.11	5.00	ug/L	270319	1
Zinc	203		1.68	10.0	ug/L	270319	1
Client Sample ID: PB-4				**Lab ID:** 1811D35-012			
Collection Date: 11/14/2018 11:50:00 AM				**Matrix:** Sediment			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.28		0.012	0.24	mg/Kg-dry	270579	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthylene	0.82		0.047	0.52	mg/Kg-dry	270266	1
Anthracene	1.4		0.052	0.52	mg/Kg-dry	270266	1
Benz(a)anthracene	2.9		0.24	0.52	mg/Kg-dry	270266	1
Benzo(a)pyrene	2.0		0.28	0.52	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	5.1		0.25	0.52	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	1.3		0.29	0.52	mg/Kg-dry	270266	1
Chrysene	4.2		0.29	0.52	mg/Kg-dry	270266	1
Fluoranthene	4.8		0.060	0.52	mg/Kg-dry	270266	1
Indeno(1,2,3-cd)pyrene	1.2		0.27	0.52	mg/Kg-dry	270266	1
Pentachlorophenol	3.4		0.062	2.7	mg/Kg-dry	270266	1
Phenanthrene	0.76		0.048	0.52	mg/Kg-dry	270266	1
Pyrene	4.6		0.25	0.52	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	23600		122	222	mg/Kg-dry	269291	20
Barium	129		0.569	11.1	mg/Kg-dry	269291	20
Chromium	85.3		5.14	22.2	mg/Kg-dry	269291	20
Cobalt	23.6		0.843	5.56	mg/Kg-dry	269291	20
Copper	80.6		2.19	2.22	mg/Kg-dry	269291	20

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-4				**Lab ID:** 1811D35-012			
Collection Date: 11/14/2018 11:50:00 AM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Lead	350		1.04	1.11	mg/Kg-dry	269291	20
Nickel	21.1		0.500	5.56	mg/Kg-dry	269291	20
Vanadium	106		3.65	5.56	mg/Kg-dry	269291	20
Zinc	119		5.45	11.1	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	36.1		0	0	wt%	R384760	1
Client Sample ID: LY-1				**Lab ID:** 1811D35-013			
Collection Date: 11/14/2018 12:15:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	120000		42.9	250	ug/L	270319	5
Arsenic	35.7		2.05	5.00	ug/L	270319	1
Barium	737		0.205	10.0	ug/L	270319	1
Cadmium	1.58		0.0961	0.700	ug/L	270319	1
Chromium	254		1.76	5.00	ug/L	270319	1
Cobalt	75.9		0.279	5.00	ug/L	270319	1
Copper	338		1.86	2.00	ug/L	270319	1
Lead	697		0.621	1.00	ug/L	270319	1
Nickel	99.1		0.226	5.00	ug/L	270319	1
Selenium	5.90		1.49	5.00	ug/L	270319	1
Vanadium	359		2.11	5.00	ug/L	270319	1
Zinc	899		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	25		1.1	10	ug/L	270289	1
Pentachlorophenol	150		3.1	130	ug/L	270289	5
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00061		0.000060	0.00020	mg/L	270318	1
Client Sample ID: LY-1				**Lab ID:** 1811D35-014			
Collection Date: 11/14/2018 12:20:00 PM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	4040		99.4	181	mg/Kg-dry	269291	20
Barium	52.1		0.464	9.05	mg/Kg-dry	269291	20
Copper	3.46		1.79	1.81	mg/Kg-dry	269291	20
Lead	9.50		0.849	0.90	mg/Kg-dry	269291	20
Vanadium	11.3		2.97	4.53	mg/Kg-dry	269291	20
Zinc	15.2		4.44	9.05	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	14.6		0	0	wt%	R384760	1
Client Sample ID: PB-3				**Lab ID:** 1811D35-015			
Collection Date: 11/14/2018 12:55:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	6120		8.58	50.0	ug/L	270319	1
Barium	89.4		0.205	10.0	ug/L	270319	1
Chromium	15.0		1.76	5.00	ug/L	270319	1
Cobalt	5.44		0.279	5.00	ug/L	270319	1

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: PB-3				**Lab ID:** 1811D35-015			
Collection Date: 11/14/2018 12:55:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Copper	27.5		1.86	2.00	ug/L	270319	1
Lead	64.2		0.621	1.00	ug/L	270319	1
Nickel	6.29		0.226	5.00	ug/L	270319	1
Vanadium	21.1		2.11	5.00	ug/L	270319	1
Zinc	82.1		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	17		1.1	10	ug/L	270289	1
Client Sample ID: PB-3				**Lab ID:** 1811D35-016			
Collection Date: 11/14/2018 1:00:00 PM				**Matrix:** Sediment			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.99		0.014	0.27	mg/Kg-dry	270579	1
Total Mercury by SW7473				**(SW7473)**			
Mercury	0.280		0.0287	0.200	mg/Kg-dry	270302	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benz(a)anthracene	0.74		0.31	0.66	mg/Kg-dry	270266	1
Benzo(a)pyrene	0.67		0.36	0.66	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.9		0.32	0.66	mg/Kg-dry	270266	1
Chrysene	0.93		0.37	0.66	mg/Kg-dry	270266	1
Fluoranthene	1.2		0.077	0.66	mg/Kg-dry	270266	1
Pentachlorophenol	4.5		0.080	3.4	mg/Kg-dry	270266	1
Pyrene	1.3		0.32	0.66	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	20300		159	290	mg/Kg-dry	269291	20
Barium	224		0.743	14.5	mg/Kg-dry	269291	20
Chromium	69.6		6.70	29.0	mg/Kg-dry	269291	20
Cobalt	37.7		1.10	7.25	mg/Kg-dry	269291	20
Copper	61.2		2.86	2.90	mg/Kg-dry	269291	20
Lead	110		1.36	1.45	mg/Kg-dry	269291	20
Nickel	27.7		0.653	7.25	mg/Kg-dry	269291	20
Vanadium	86.6		4.76	7.25	mg/Kg-dry	269291	20
Zinc	313		7.11	14.5	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	50.1		0	0	wt%	R384760	1
Client Sample ID: OUTFALL-3				**Lab ID:** 1811D35-017			
Collection Date: 11/14/2018 1:25:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	148000		42.9	250	ug/L	270319	5
Arsenic	28.5		2.05	5.00	ug/L	270319	1
Barium	1030		0.205	10.0	ug/L	270319	1
Cadmium	2.24		0.0961	0.700	ug/L	270319	1
Chromium	344		1.76	5.00	ug/L	270319	1
Cobalt	102		0.279	5.00	ug/L	270319	1
Copper	352		1.86	2.00	ug/L	270319	1
Lead	847		0.621	1.00	ug/L	270319	1

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: OUTFALL-3				**Lab ID:** 1811D35-017			
Collection Date: 11/14/2018 1:25:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Nickel	119		0.226	5.00	ug/L	270319	1
Selenium	7.64		1.49	5.00	ug/L	270319	1
Vanadium	405		2.11	5.00	ug/L	270319	1
Zinc	1190		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	15		1.1	10	ug/L	270289	1
Pentachlorophenol	120		0.62	25	ug/L	270289	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00084		0.000060	0.00020	mg/L	270466	1
Client Sample ID: OUTFALL-3				**Lab ID:** 1811D35-018			
Collection Date: 11/14/2018 1:30:00 PM				**Matrix:** Sediment			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**			
Acetone	0.90	E	0.0094	0.19	mg/Kg-dry	270579	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	3110		105	192	mg/Kg-dry	269291	20
Barium	41.2		0.491	9.59	mg/Kg-dry	269291	20
Chromium	114		4.43	19.2	mg/Kg-dry	269291	20
Copper	6.39		1.89	1.92	mg/Kg-dry	269291	20
Lead	18.0		0.900	0.96	mg/Kg-dry	269291	20
Vanadium	24.7		3.15	4.80	mg/Kg-dry	269291	20
Zinc	15.6		4.70	9.59	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	19.9		0	0	wt%	R384760	1
Client Sample ID: OUTFALL-4				**Lab ID:** 1811D35-019			
Collection Date: 11/14/2018 1:55:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	25400		8.58	50.0	ug/L	270319	1
Arsenic	10.4		2.05	5.00	ug/L	270319	1
Barium	173		0.205	10.0	ug/L	270319	1
Chromium	48.9		1.76	5.00	ug/L	270319	1
Cobalt	21.1		0.279	5.00	ug/L	270319	1
Copper	93.0		1.86	2.00	ug/L	270319	1
Lead	378		0.621	1.00	ug/L	270319	1
Nickel	21.8		0.226	5.00	ug/L	270319	1
Vanadium	81.6		2.11	5.00	ug/L	270319	1
Zinc	276		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,3,4,6-Tetrachlorophenol	25		1.1	10	ug/L	270289	1
Pentachlorophenol	150		3.1	130	ug/L	270289	5
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00023		0.000060	0.00020	mg/L	270402	1
Client Sample ID: OUTFALL-4				**Lab ID:** 1811D35-020			
Collection Date: 11/14/2018 2:00:00 PM				**Matrix:** Sediment			

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: OUTFALL-4				**Lab ID:** 1811D35-020			
Collection Date: 11/14/2018 2:00:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benz(a)anthracene	0.40		0.18	0.39	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	0.81		0.19	0.39	mg/Kg-dry	270266	1
Chrysene	0.50		0.22	0.39	mg/Kg-dry	270266	1
Fluoranthene	0.98		0.046	0.39	mg/Kg-dry	270266	1
Pentachlorophenol	3.0		0.047	2.0	mg/Kg-dry	270266	1
Phenanthrene	0.44		0.037	0.39	mg/Kg-dry	270266	1
Pyrene	0.74		0.19	0.39	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	7110		96.3	175	mg/Kg-dry	269291	20
Barium	67.3		0.449	8.77	mg/Kg-dry	269291	20
Chromium	37.4		4.05	17.5	mg/Kg-dry	269291	20
Cobalt	4.91		0.665	4.39	mg/Kg-dry	269291	20
Copper	11.2		1.73	1.75	mg/Kg-dry	269291	20
Lead	28.9		0.823	0.88	mg/Kg-dry	269291	20
Nickel	4.70		0.395	4.39	mg/Kg-dry	269291	20
Vanadium	27.5		2.88	4.39	mg/Kg-dry	269291	20
Zinc	38.6		4.30	8.77	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	16.0		0	0	wt%	R384760	1
Client Sample ID: OUTFALL-5				**Lab ID:** 1811D35-021			
Collection Date: 11/14/2018 2:20:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	12700		8.58	50.0	ug/L	270319	1
Arsenic	200		2.05	5.00	ug/L	270319	1
Barium	111		0.205	10.0	ug/L	270319	1
Chromium	230		1.76	5.00	ug/L	270319	1
Cobalt	7.26		0.279	5.00	ug/L	270319	1
Copper	157		1.86	2.00	ug/L	270319	1
Lead	100.0		0.621	1.00	ug/L	270319	1
Nickel	10.4		0.226	5.00	ug/L	270319	1
Selenium	7.26		1.49	5.00	ug/L	270319	1
Vanadium	42.8		2.11	5.00	ug/L	270319	1
Zinc	192		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Pentachlorophenol	56		0.62	25	ug/L	270289	1
Client Sample ID: OUTFALL-5				**Lab ID:** 1811D35-022			
Collection Date: 11/14/2018 2:25:00 PM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	5460		104	189	mg/Kg-dry	269291	20
Barium	50.5		0.484	9.45	mg/Kg-dry	269291	20
Chromium	24.5		4.37	18.9	mg/Kg-dry	269291	20
Copper	26.4		1.86	1.89	mg/Kg-dry	269291	20
Lead	49.7		0.887	0.94	mg/Kg-dry	269291	20
Nickel	9.01		0.425	4.73	mg/Kg-dry	269291	20
Vanadium	26.2		3.10	4.73	mg/Kg-dry	269291	20

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Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: OUTFALL-5				**Lab ID:** 1811D35-022			
Collection Date: 11/14/2018 2:25:00 PM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Zinc	127		4.63	9.45	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	24.9		0	0	wt%	R384760	1
Client Sample ID: SW-9				**Lab ID:** 1811D35-023			
Collection Date: 11/14/2018 3:00:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	10800		8.58	50.0	ug/L	270319	1
Arsenic	7.97		2.05	5.00	ug/L	270319	1
Barium	88.2		0.205	10.0	ug/L	270319	1
Chromium	15.6		1.76	5.00	ug/L	270319	1
Cobalt	42.3		0.279	5.00	ug/L	270319	1
Copper	18.9		1.86	2.00	ug/L	270319	1
Lead	31.6		0.621	1.00	ug/L	270319	1
Nickel	21.2		0.226	5.00	ug/L	270319	1
Vanadium	17.1		2.11	5.00	ug/L	270319	1
Zinc	83.7		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Pentachlorophenol	52		0.62	25	ug/L	270289	1
Client Sample ID: SED-9				**Lab ID:** 1811D35-024			
Collection Date: 11/14/2018 3:05:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	0.50		0.044	0.42	mg/Kg-dry	270266	1
Anthracene	0.80		0.043	0.42	mg/Kg-dry	270266	1
Benz(a)anthracene	1.9		0.20	0.42	mg/Kg-dry	270266	1
Benzo(a)pyrene	1.1		0.23	0.42	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.6		0.20	0.42	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	0.68		0.24	0.42	mg/Kg-dry	270266	1
Chrysene	2.2		0.23	0.42	mg/Kg-dry	270266	1
Fluoranthene	4.8		0.049	0.42	mg/Kg-dry	270266	1
Fluorene	0.55		0.037	0.42	mg/Kg-dry	270266	1
Phenanthrene	2.0		0.040	0.42	mg/Kg-dry	270266	1
Pyrene	3.2		0.21	0.42	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	3750		99.8	182	mg/Kg-dry	269291	20
Barium	16.1		0.466	9.09	mg/Kg-dry	269291	20
Chromium	22.8		4.20	18.2	mg/Kg-dry	269291	20
Copper	15.5		1.79	1.82	mg/Kg-dry	269291	20
Lead	13.4		0.853	0.91	mg/Kg-dry	269291	20
Nickel	6.58		0.409	4.55	mg/Kg-dry	269291	20
Vanadium	18.3		2.98	4.55	mg/Kg-dry	269291	20
Zinc	22.5		4.46	9.09	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	22.0		0	0	wt%	R384760	1
Client Sample ID: SW-8				**Lab ID:** 1811D35-025			

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Collection Date: 11/14/2018 3:20:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	12800		8.58	50.0	ug/L	270319	1
Arsenic	16.4		2.05	5.00	ug/L	270319	1
Barium	139		0.205	10.0	ug/L	270319	1
Chromium	36.5		1.76	5.00	ug/L	270319	1
Cobalt	9.25		0.279	5.00	ug/L	270319	1
Copper	48.9		1.86	2.00	ug/L	270319	1
Lead	88.6		0.621	1.00	ug/L	270319	1
Nickel	11.0		0.226	5.00	ug/L	270319	1
Vanadium	43.7		2.11	5.00	ug/L	270319	1
Zinc	136		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Pentachlorophenol	55		0.62	25	ug/L	270289	1
Client Sample ID: SED-8				**Lab ID:** 1811D35-026			
Collection Date: 11/14/2018 3:25:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(b)fluoranthene	0.80		0.20	0.41	mg/Kg-dry	270266	1
Chrysene	0.43		0.23	0.41	mg/Kg-dry	270266	1
Fluoranthene	0.86		0.048	0.41	mg/Kg-dry	270266	1
Pyrene	0.65		0.20	0.41	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	3430		102	185	mg/Kg-dry	269291	20
Barium	37.6		0.474	9.26	mg/Kg-dry	269291	20
Copper	11.0		1.83	1.85	mg/Kg-dry	269291	20
Lead	20.4		0.868	0.93	mg/Kg-dry	269291	20
Vanadium	15.6		3.04	4.63	mg/Kg-dry	269291	20
Zinc	35.9		4.54	9.26	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	19.7		0	0	wt%	R384760	1
Client Sample ID: SW-7				**Lab ID:** 1811D35-027			
Collection Date: 11/14/2018 3:40:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	3300		8.58	50.0	ug/L	270319	1
Arsenic	17.0		2.05	5.00	ug/L	270319	1
Barium	73.9		0.205	10.0	ug/L	270319	1
Chromium	20.8		1.76	5.00	ug/L	270319	1
Copper	18.4		1.86	2.00	ug/L	270319	1
Lead	25.5		0.621	1.00	ug/L	270319	1
Vanadium	10.9		2.11	5.00	ug/L	270319	1
Zinc	74.1		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	11		1.1	10	ug/L	270289	1
Pentachlorophenol	53		0.62	25	ug/L	270289	1
Client Sample ID: SED-7				**Lab ID:** 1811D35-028			
Collection Date: 11/14/2018 3:45:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			

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Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SED-7				**Lab ID:** 1811D35-028			
Collection Date: 11/14/2018 3:45:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	0.84		0.043	0.42	mg/Kg-dry	270266	1
Anthracene	0.51		0.042	0.42	mg/Kg-dry	270266	1
Benz(a)anthracene	1.1		0.19	0.42	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.0		0.20	0.42	mg/Kg-dry	270266	1
Chrysene	0.90		0.23	0.42	mg/Kg-dry	270266	1
Dibenzofuran	0.44		0.043	0.42	mg/Kg-dry	270266	1
Fluoranthene	6.3		0.48	4.2	mg/Kg-dry	270266	10
Fluorene	0.70		0.037	0.42	mg/Kg-dry	270266	1
Phenanthrene	1.2		0.039	0.42	mg/Kg-dry	270266	1
Pyrene	4.0		0.20	0.42	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	4690		116	210	mg/Kg-dry	269291	20
Barium	39.6		0.539	10.5	mg/Kg-dry	269291	20
Chromium	120		4.86	21.0	mg/Kg-dry	269291	20
Cobalt	7.38		0.798	5.26	mg/Kg-dry	269291	20
Copper	299		2.08	2.10	mg/Kg-dry	269291	20
Lead	9.04		0.987	1.05	mg/Kg-dry	269291	20
Nickel	6.30		0.474	5.26	mg/Kg-dry	269291	20
Vanadium	22.8		3.45	5.26	mg/Kg-dry	269291	20
Zinc	58.6		5.16	10.5	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	20.5		0	0	wt%	R384760	1
Client Sample ID: SW-10				**Lab ID:** 1811D35-029			
Collection Date: 11/14/2018 4:00:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	3570		8.58	50.0	ug/L	270319	1
Arsenic	18.1		2.05	5.00	ug/L	270319	1
Barium	78.7		0.205	10.0	ug/L	270319	1
Chromium	22.4		1.76	5.00	ug/L	270319	1
Copper	19.7		1.86	2.00	ug/L	270319	1
Lead	27.8		0.621	1.00	ug/L	270319	1
Vanadium	11.6		2.11	5.00	ug/L	270319	1
Zinc	78.0		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
Acenaphthene	14		1.1	10	ug/L	270289	1
Pentachlorophenol	56		0.62	25	ug/L	270289	1
Client Sample ID: SED-10				**Lab ID:** 1811D35-030			
Collection Date: 11/14/2018 4:05:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	0.85		0.046	0.44	mg/Kg-dry	270266	1
Anthracene	1.1		0.044	0.44	mg/Kg-dry	270266	1
Benz(a)anthracene	1.3		0.20	0.44	mg/Kg-dry	270266	1
Benzo(a)pyrene	0.47		0.24	0.44	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.2		0.21	0.44	mg/Kg-dry	270266	1
Chrysene	1.1		0.24	0.44	mg/Kg-dry	270266	1

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Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SED-10				**Lab ID:** 1811D35-030			
Collection Date: 11/14/2018 4:05:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Dibenzofuran	0.50		0.046	0.44	mg/Kg-dry	270266	1
Fluoranthene	6.3		0.051	0.44	mg/Kg-dry	270266	1
Fluorene	0.83		0.039	0.44	mg/Kg-dry	270266	1
Phenanthrene	2.1		0.041	0.44	mg/Kg-dry	270266	1
Pyrene	3.7		0.21	0.44	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	2650		108	197	mg/Kg-dry	269291	20
Barium	23.9		0.505	9.87	mg/Kg-dry	269291	20
Copper	8.19		1.95	1.97	mg/Kg-dry	269291	20
Lead	9.49		0.926	0.99	mg/Kg-dry	269291	20
Vanadium	11.8		3.24	4.93	mg/Kg-dry	269291	20
Zinc	46.9		4.84	9.87	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	24.9		0	0	wt%	R384760	1
Client Sample ID: SW-6				**Lab ID:** 1811D35-031			
Collection Date: 11/14/2018 4:20:00 PM				**Matrix:** Surface Water			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	3490		8.58	50.0	ug/L	270319	1
Arsenic	32.0		2.05	5.00	ug/L	270319	1
Barium	72.9		0.205	10.0	ug/L	270319	1
Chromium	35.8		1.76	5.00	ug/L	270319	1
Copper	24.5		1.86	2.00	ug/L	270319	1
Lead	21.1		0.621	1.00	ug/L	270319	1
Vanadium	10.2		2.11	5.00	ug/L	270319	1
Zinc	101		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,4-Dimethylphenol	16		0.72	10	ug/L	270289	1
Acenaphthene	26		1.1	10	ug/L	270289	1
Dibenzofuran	11		1.1	10	ug/L	270289	1
Fluorene	18		1.2	10	ug/L	270289	1
Pentachlorophenol	35		0.62	25	ug/L	270289	1
Client Sample ID: SED-6				**Lab ID:** 1811D35-032			
Collection Date: 11/14/2018 4:25:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	5.2		0.043	0.41	mg/Kg-dry	270266	1
Anthracene	1.9		0.041	0.41	mg/Kg-dry	270266	1
Benz(a)anthracene	1.5		0.19	0.41	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.0		0.20	0.41	mg/Kg-dry	270266	1
Carbazole	0.97		0.046	0.41	mg/Kg-dry	270266	1
Chrysene	1.3		0.23	0.41	mg/Kg-dry	270266	1
Dibenzofuran	3.2		0.043	0.41	mg/Kg-dry	270266	1
Fluoranthene	11		0.48	4.1	mg/Kg-dry	270266	10
Fluorene	5.4		0.036	0.41	mg/Kg-dry	270266	1
Phenanthrene	9.8		0.39	4.1	mg/Kg-dry	270266	10
Pyrene	5.9		2.0	4.1	mg/Kg-dry	270266	10

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Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SED-6				**Lab ID:** 1811D35-032			
Collection Date: 11/14/2018 4:25:00 PM				**Matrix:** Sediment			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	3050		101	184	mg/Kg-dry	269291	20
Barium	28.5		0.470	9.18	mg/Kg-dry	269291	20
Chromium	31.0		4.24	18.4	mg/Kg-dry	269291	20
Cobalt	6.14		0.696	4.59	mg/Kg-dry	269291	20
Copper	6.96		1.81	1.84	mg/Kg-dry	269291	20
Lead	7.92		0.861	0.92	mg/Kg-dry	269291	20
Vanadium	13.1		3.01	4.59	mg/Kg-dry	269291	20
Zinc	53.3		4.50	9.18	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	19.8		0	0	wt%	R384760	1
Client Sample ID: SW-5				**Lab ID:** 1811D35-033			
Collection Date: 11/14/2018 4:40:00 PM				**Matrix:** Surface Water			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
Benzene	1.1		0.37	1.0	ug/L	270473	1
Toluene	1.2		0.39	1.0	ug/L	270473	1
Ethylbenzene	1.3		0.26	1.0	ug/L	270473	1
1,2,4-Trimethylbenzene	2.0		0.29	1.0	ug/L	270473	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	4830		8.58	50.0	ug/L	270319	1
Arsenic	24.4		2.05	5.00	ug/L	270319	1
Barium	84.7		0.205	10.0	ug/L	270319	1
Chromium	32.9		1.76	5.00	ug/L	270319	1
Cobalt	5.53		0.279	5.00	ug/L	270319	1
Copper	25.0		1.86	2.00	ug/L	270319	1
Lead	29.8		0.621	1.00	ug/L	270319	1
Vanadium	13.8		2.11	5.00	ug/L	270319	1
Zinc	119		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,4-Dimethylphenol	54		0.72	10	ug/L	270289	1
2-Methylnaphthalene	33		1.2	10	ug/L	270289	1
2-Methylphenol	20		1.3	10	ug/L	270289	1
3,4-Methylphenol	29		2.3	10	ug/L	270289	1
Acenaphthene	47		1.1	10	ug/L	270289	1
Carbazole	28		0.75	10	ug/L	270289	1
Dibenzofuran	28		1.1	10	ug/L	270289	1
Fluorene	32		1.2	10	ug/L	270289	1
Naphthalene	150		1.2	10	ug/L	270289	1
Pentachlorophenol	54		0.62	25	ug/L	270289	1
Phenanthrene	27		0.86	10	ug/L	270289	1
Client Sample ID: SED-5				**Lab ID:** 1811D35-034			
Collection Date: 11/14/2018 4:45:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Acenaphthene	3.7		0.042	0.41	mg/Kg-dry	270266	1
Anthracene	0.83		0.041	0.41	mg/Kg-dry	270266	1
Benz(a)anthracene	2.3		0.19	0.41	mg/Kg-dry	270266	1

Analytical Environmental Services, Inc

Date: 26-Nov-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SED-5				**Lab ID:** 1811D35-034			
Collection Date: 11/14/2018 4:45:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
Benzo(a)pyrene	1.1		0.22	0.41	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	2.0		0.20	0.41	mg/Kg-dry	270266	1
Benzo(k)fluoranthene	0.49		0.23	0.41	mg/Kg-dry	270266	1
Carbazole	1.8		0.046	0.41	mg/Kg-dry	270266	1
Chrysene	2.1		0.23	0.41	mg/Kg-dry	270266	1
Dibenzofuran	2.1		0.043	0.41	mg/Kg-dry	270266	1
Fluoranthene	7.7		0.47	4.1	mg/Kg-dry	270266	10
Fluorene	2.9		0.036	0.41	mg/Kg-dry	270266	1
Naphthalene	0.60		0.048	0.41	mg/Kg-dry	270266	1
Phenanthrene	3.1		0.038	0.41	mg/Kg-dry	270266	1
Pyrene	5.5		0.20	0.41	mg/Kg-dry	270266	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	2090		102	186	mg/Kg-dry	269291	20
Barium	24.8		0.476	9.29	mg/Kg-dry	269291	20
Copper	6.93		1.83	1.86	mg/Kg-dry	269291	20
Lead	11.5		0.871	0.93	mg/Kg-dry	269291	20
Nickel	47.6		0.418	4.64	mg/Kg-dry	269291	20
Vanadium	10.9		3.05	4.64	mg/Kg-dry	269291	20
Zinc	53.8		4.55	9.29	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	19.0		0	0	wt%	R384760	1
Client Sample ID: OUTFALL-2				**Lab ID:** 1811D35-035			
Collection Date: 11/14/2018 5:05:00 PM				**Matrix:** Surface Water			
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**			
Benzene	1.4		0.37	1.0	ug/L	270473	1
Toluene	1.4		0.39	1.0	ug/L	270473	1
Ethylbenzene	1.6		0.26	1.0	ug/L	270473	1
m,p-Xylene	2.0		0.60	2.0	ug/L	270473	1
o-Xylene	1.3		0.18	1.0	ug/L	270473	1
1,2,4-Trimethylbenzene	2.2		0.29	1.0	ug/L	270473	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	15300		8.58	50.0	ug/L	270319	1
Arsenic	19.8		2.05	5.00	ug/L	270319	1
Barium	155		0.205	10.0	ug/L	270319	1
Chromium	48.6		1.76	5.00	ug/L	270319	1
Cobalt	11.4		0.279	5.00	ug/L	270319	1
Copper	49.3		1.86	2.00	ug/L	270319	1
Lead	96.9		0.621	1.00	ug/L	270319	1
Nickel	11.1		0.226	5.00	ug/L	270319	1
Vanadium	48.0		2.11	5.00	ug/L	270319	1
Zinc	169		1.68	10.0	ug/L	270319	1
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
2,4-Dimethylphenol	67		0.72	10	ug/L	270289	1
2-Methylnaphthalene	42		1.2	10	ug/L	270289	1
2-Methylphenol	25		1.3	10	ug/L	270289	1

Analytical Environmental Services, Inc

Date: 26-Nov-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: OUTFALL-2				**Lab ID:** 1811D35-035			
Collection Date: 11/14/2018 5:05:00 PM				**Matrix:** Surface Water			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**			
3,4-Methylphenol	35		2.3	10	ug/L	270289	1
Acenaphthene	50		1.1	10	ug/L	270289	1
Carbazole	36		0.75	10	ug/L	270289	1
Dibenzofuran	32		1.1	10	ug/L	270289	1
Fluorene	34		1.2	10	ug/L	270289	1
Naphthalene	220		6.1	50	ug/L	270289	5
Pentachlorophenol	76		0.62	25	ug/L	270289	1
Phenanthrene	31		0.86	10	ug/L	270289	1
Client Sample ID: OUTFALL-2				**Lab ID:** 1811D35-036			
Collection Date: 11/14/2018 5:10:00 PM				**Matrix:** Sediment			
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**			
2-Methylnaphthalene	7.2		0.37	3.9	mg/Kg-dry	270266	10
Acenaphthene	12		0.41	3.9	mg/Kg-dry	270266	10
Anthracene	2.6		0.040	0.39	mg/Kg-dry	270266	1
Benz(a)anthracene	1.7		0.18	0.39	mg/Kg-dry	270266	1
Benzo(a)pyrene	0.49		0.21	0.39	mg/Kg-dry	270266	1
Benzo(b)fluoranthene	1.2		0.19	0.39	mg/Kg-dry	270266	1
Carbazole	1.9		0.044	0.39	mg/Kg-dry	270266	1
Chrysene	1.4		0.22	0.39	mg/Kg-dry	270266	1
Dibenzofuran	8.2		0.41	3.9	mg/Kg-dry	270266	10
Fluoranthene	12		0.46	3.9	mg/Kg-dry	270266	10
Fluorene	10		0.35	3.9	mg/Kg-dry	270266	10
Naphthalene	8.1		0.47	3.9	mg/Kg-dry	270266	10
Phenanthrene	22		0.37	3.9	mg/Kg-dry	270266	10
Pyrene	6.6		1.9	3.9	mg/Kg-dry	270266	10
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	3180		93.7	171	mg/Kg-dry	269291	20
Barium	40.5		0.437	8.53	mg/Kg-dry	269291	20
Chromium	133		3.94	17.1	mg/Kg-dry	269291	20
Copper	15.9		1.68	1.71	mg/Kg-dry	269291	20
Lead	6.82		0.800	0.85	mg/Kg-dry	269291	20
Vanadium	21.5		2.80	4.27	mg/Kg-dry	269291	20
Zinc	57.2		4.18	8.53	mg/Kg-dry	269291	20
PERCENT MOISTURE D2216							
Percent Moisture	16.4		0	0	wt%	R384760	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 269291

Sample ID: **MB-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595274**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	50000									
Arsenic	BRL	37500									
Barium	BRL	2500									
Cadmium	BRL	250									
Chromium	BRL	5000									
Cobalt	BRL	1250									
Copper	BRL	500									
Lead	BRL	250									
Nickel	BRL	1250									
Selenium	BRL	12500									
Zinc	BRL	2500									

Sample ID: **MB-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384920**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	BRL	1250									

Sample ID: **LCS-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595275**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	114400	50000	100000		114	80	120				
Arsenic	11410	6250	10000		114	80	120				
Barium	11770	2500	10000		118	80	120				
Cadmium	10790	250	10000		108	80	120				
Cobalt	11790	1250	10000		118	80	120				
Copper	11670	500	10000		117	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 269291

Sample ID: **LCS-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595275**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	11150	250	10000		112	80	120				
Nickel	11480	1250	10000		115	80	120				
Selenium	11060	10000	10000		111	80	120				
Zinc	11570	2500	10000		116	80	120				

Sample ID: **LCS-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384920**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595789**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	11780	1250	10000		118	80	120				

Sample ID: **LCS-269291** Client ID: Units: **ug/Kg** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/19/2018** Seq No: **8598154**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium	10720	5000	10000		107	80	120				

Sample ID: **1811D35-002CMS** Client ID: **PB-1A** Units: **mg/Kg-dry** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	6364	193	96.45	5736	652	75	125				S
Arsenic	BRL	145	9.645		148	75	125				S
Barium	77.48	9.65	9.645	58.59	196	75	125				S
Cadmium	9.926	0.96	9.645		103	75	125				
Chromium	41.77	19.3	9.645	26.15	162	75	125				S
Cobalt	14.26	4.82	9.645	3.561	111	75	125				
Copper	33.44	1.93	9.645	28.48	51.4	75	125				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 269291

Sample ID: **1811D35-002CMS** Client ID: **PB-1A** Units: **mg/Kg-dry** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	39.51	0.96	9.645	31.80	79.9	75	125				
Nickel	17.56	4.82	9.645	7.683	102	75	125				
Selenium	BRL	48.2	9.645		111	75	125				
Zinc	78.91	9.65	9.645	105.0	-271	75	125				S

Sample ID: **1811D35-002CMS** Client ID: **PB-1A** Units: **mg/Kg-dry** Prep Date: **11/16/2018** Run No: **384920**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595796**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	41.55	4.82	9.645	33.74	81.0	75	125				

Sample ID: **1811D35-002CMSD** Client ID: **PB-1A** Units: **mg/Kg-dry** Prep Date: **11/16/2018** Run No: **384919**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595278**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	6654	193	96.43	5736	953	75	125	6364	4.46	20	S
Arsenic	BRL	145	9.643		158	75	125	14.28	0	20	S
Barium	69.83	9.64	9.643	58.59	117	75	125	77.48	10.4	20	
Cadmium	10.20	0.96	9.643		106	75	125	9.926	2.70	20	
Chromium	81.11	19.3	9.643	26.15	570	75	125	41.77	64.0	20	SR
Cobalt	14.79	4.82	9.643	3.561	116	75	125	14.26	3.61	20	
Copper	36.12	1.93	9.643	28.48	79.3	75	125	33.44	7.72	20	
Lead	41.50	0.96	9.643	31.80	101	75	125	39.51	4.91	20	
Nickel	20.22	4.82	9.643	7.683	130	75	125	17.56	14.1	20	S
Selenium	BRL	48.2	9.643		114	75	125	10.73	0	20	
Zinc	85.20	9.64	9.643	105.0	-206	75	125	78.91	7.67	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 269291

Sample ID: **1811D35-002CMSD** Client ID: **PB-1A** Units: **mg/Kg-dry** Prep Date: **11/16/2018** Run No: **384920**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **269291** Analysis Date: **11/16/2018** Seq No: **8595803**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	49.34	4.82	9.643	33.74	162	75	125	41.55	17.1	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270266

Sample ID: **MB-270266** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg** Prep Date: **11/19/2018** Run No: **384926**
BatchID: **270266** Analysis Date: **11/19/2018** Seq No: **8598437**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270266

Sample ID: **MB-270266** Client ID: Units: **ug/Kg** Prep Date: **11/19/2018** Run No: **384926**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270266** Analysis Date: **11/19/2018** Seq No: **8598437**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	3514	0	3333		105	48.2	133				
Surr: 2-Fluorobiphenyl	1574	0	1667		94.4	50.2	120				
Surr: 2-Fluorophenol	2592	0	3333		77.8	41.6	120				
Surr: 4-Terphenyl-d14	1687	0	1667		101	52.1	122				
Surr: Nitrobenzene-d5	1430	0	1667		85.8	41.4	120				
Surr: Phenol-d5	2684	0	3333		80.5	45.7	120				

Sample ID: **LCS-270266** Client ID: Units: **ug/Kg** Prep Date: **11/19/2018** Run No: **384926**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270266** Analysis Date: **11/19/2018** Seq No: **8598440**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3133	330	3333		94.0	57	120				
4-Chloro-3-methylphenol	3325	330	3333		99.7	60.4	120				
Acenaphthene	3165	330	3333		94.9	60.6	120				
Pentachlorophenol	2760	1700	3333		82.8	43.4	119				
Phenol	2758	330	3333		82.7	50.5	120				
Pyrene	3079	330	3333		92.4	61.2	124				
Surr: 2,4,6-Tribromophenol	3830	0	3333		115	48.2	133				
Surr: 2-Fluorobiphenyl	1696	0	1667		102	50.2	120				
Surr: 2-Fluorophenol	2944	0	3333		88.3	41.6	120				
Surr: 4-Terphenyl-d14	1743	0	1667		105	52.1	122				
Surr: Nitrobenzene-d5	1605	0	1667		96.3	41.4	120				
Surr: Phenol-d5	3190	0	3333		95.7	45.7	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270266

Sample ID: **1811D35-032BMS** Client ID: **SED-6** Units: **mg/Kg-dry** Prep Date: **11/19/2018** Run No: **384926**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270266** Analysis Date: **11/20/2018** Seq No: **8598470**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.282	0.41	4.154		54.9	43.4	120				
4-Chloro-3-methylphenol	2.422	0.41	4.154		58.3	47.2	120				
Pentachlorophenol	2.169	2.1	4.154	0.3743	43.2	40.4	120				
Phenol	1.990	0.41	4.154		47.9	40.2	120				
Surr: 2,4,6-Tribromophenol	2.692	0	4.154		64.8	48.2	133				
Surr: 2-Fluorobiphenyl	1.183	0	2.077		56.9	50.2	120				
Surr: 2-Fluorophenol	1.991	0	4.154		47.9	41.6	120				
Surr: 4-Terphenyl-d14	1.352	0	2.077		65.1	52.1	122				
Surr: Nitrobenzene-d5	1.084	0	2.077		52.2	41.4	120				
Surr: Phenol-d5	2.207	0	4.154		53.1	45.7	120				

Sample ID: **1811D35-032BMSD** Client ID: **SED-6** Units: **mg/Kg-dry** Prep Date: **11/19/2018** Run No: **384926**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270266** Analysis Date: **11/20/2018** Seq No: **8598471**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.109	0.41	4.154		74.8	43.4	120	2.282	30.7	31.1	
4-Chloro-3-methylphenol	3.367	0.41	4.154		81.0	47.2	120	2.422	32.6	36.7	
Pentachlorophenol	3.449	2.1	4.154	0.3743	74.0	40.4	120	2.169	45.6	27.6	R
Phenol	2.720	0.41	4.154		65.5	40.2	120	1.990	31.0	26	R
Surr: 2,4,6-Tribromophenol	3.919	0	4.154		94.3	48.2	133	2.692	0	0	
Surr: 2-Fluorobiphenyl	1.645	0	2.077		79.2	50.2	120	1.183	0	0	
Surr: 2-Fluorophenol	2.826	0	4.154		68.0	41.6	120	1.991	0	0	
Surr: 4-Terphenyl-d14	2.002	0	2.077		96.4	52.1	122	1.352	0	0	
Surr: Nitrobenzene-d5	1.545	0	2.077		74.4	41.4	120	1.084	0	0	
Surr: Phenol-d5	3.095	0	4.154		74.5	45.7	120	2.207	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270289

Sample ID: **MB-270289** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8593002**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270289

Sample ID: **MB-270289** Client ID: Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8593002**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	102.8	0	100.0		103	47	127				
Surr: 2-Fluorobiphenyl	46.92	0	50.00		93.8	47.4	119				
Surr: 2-Fluorophenol	40.52	0	100.0		40.5	26.2	120				
Surr: 4-Terphenyl-d14	45.02	0	50.00		90.0	45	133				
Surr: Nitrobenzene-d5	44.57	0	50.00		89.1	41.9	121				
Surr: Phenol-d5	24.75	0	100.0		24.8	17.8	120				

Sample ID: **LCS-270289** Client ID: Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8593003**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	88.31	10	100.0		88.3	50.6	120				
4-Chloro-3-methylphenol	99.90	10	100.0		99.9	59.5	122				
Acenaphthene	109.1	10	100.0		109	60.5	119				
Pentachlorophenol	74.31	25	100.0		74.3	50.9	120				
Phenol	29.65	10	100.0		29.6	20.1	120				
Pyrene	105.6	10	100.0		106	68.8	139				
Surr: 2,4,6-Tribromophenol	127.0	0	100.0		127	47	127				
Surr: 2-Fluorobiphenyl	59.05	0	50.00		118	47.4	119				
Surr: 2-Fluorophenol	47.47	0	100.0		47.5	26.2	120				
Surr: 4-Terphenyl-d14	61.53	0	50.00		123	45	133				
Surr: Nitrobenzene-d5	56.32	0	50.00		113	41.9	121				
Surr: Phenol-d5	36.17	0	100.0		36.2	17.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270289

Sample ID: **1811D35-007BMS** Client ID: **PB-4A** Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8594999**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	76.41	10	100.0		76.4	46.5	120				
4-Chloro-3-methylphenol	84.65	10	100.0		84.6	47.8	119				
Acenaphthene	81.92	10	100.0		81.9	48.2	120				
Pentachlorophenol	63.87	25	100.0		63.9	42.4	120				
Phenol	38.69	10	100.0		38.7	24.7	120				
Pyrene	80.51	10	100.0		80.5	55.5	120				
Surr: 2,4,6-Tribromophenol	96.60	0	100.0		96.6	47	127				
Surr: 2-Fluorobiphenyl	44.05	0	50.00		88.1	47.4	119				
Surr: 2-Fluorophenol	53.84	0	100.0		53.8	26.2	120				
Surr: 4-Terphenyl-d14	46.16	0	50.00		92.3	45	133				
Surr: Nitrobenzene-d5	42.14	0	50.00		84.3	41.9	121				
Surr: Phenol-d5	45.04	0	100.0		45.0	17.8	120				

Sample ID: **1811D35-007BMSD** Client ID: **PB-4A** Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8595002**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	75.77	10	100.0		75.8	46.5	120	76.41	0.841	26.3	
4-Chloro-3-methylphenol	89.79	10	100.0		89.8	47.8	119	84.65	5.89	29.2	
Acenaphthene	85.35	10	100.0		85.4	48.2	120	81.92	4.10	28.3	
Pentachlorophenol	70.79	25	100.0		70.8	42.4	120	63.87	10.3	20	
Phenol	38.21	10	100.0		38.2	24.7	120	38.69	1.25	33.4	
Pyrene	89.67	10	100.0		89.7	55.5	120	80.51	10.8	25.1	
Surr: 2,4,6-Tribromophenol	103.0	0	100.0		103	47	127	96.60	0	0	
Surr: 2-Fluorobiphenyl	43.42	0	50.00		86.8	47.4	119	44.05	0	0	
Surr: 2-Fluorophenol	52.42	0	100.0		52.4	26.2	120	53.84	0	0	
Surr: 4-Terphenyl-d14	49.34	0	50.00		98.7	45	133	46.16	0	0	
Surr: Nitrobenzene-d5	39.90	0	50.00		79.8	41.9	121	42.14	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270289

Sample ID: **1811D35-007BMSD** Client ID: **PB-4A** Units: **ug/L** Prep Date: **11/15/2018** Run No: **384834**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **270289** Analysis Date: **11/16/2018** Seq No: **8595002**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	42.61	0	100.0		42.6	17.8	120	45.04	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270302

Sample ID: **MB-270302**	Client ID:				Units: **mg/Kg**		Prep Date: **11/19/2018**		Run No: **384923**
SampleType: **MBLK**	TestCode: **Total Mercury by SW7473**				BatchID: **270302**		Analysis Date: **11/19/2018**		Seq No: **8596973**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-270302**	Client ID:				Units: **mg/Kg**		Prep Date: **11/19/2018**		Run No: **384923**
SampleType: **LCS**	TestCode: **Total Mercury by SW7473**				BatchID: **270302**		Analysis Date: **11/19/2018**		Seq No: **8596974**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.9278	0.100	1.000	0.04360	88.4	80	120				

Sample ID: **1811F12-001BMS**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **11/19/2018**		Run No: **384923**
SampleType: **MS**	TestCode: **Total Mercury by SW7473**				BatchID: **270302**		Analysis Date: **11/19/2018**		Seq No: **8596976**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	1.073	0.116	1.141	0.06720	88.1	80	120				

Sample ID: **1811F12-001BMSD**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **11/19/2018**		Run No: **384923**
SampleType: **MSD**	TestCode: **Total Mercury by SW7473**				BatchID: **270302**		Analysis Date: **11/19/2018**		Seq No: **8596977**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	1.043	0.116	1.074	0.06720	90.8	80	120	1.073	2.78	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270318

Sample ID: **MB-270318**	Client ID:				Units: **mg/L**		Prep Date: **11/16/2018**		Run No: **384865**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **270318**		Analysis Date: **11/16/2018**		Seq No: **8593543**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-270318**	Client ID:				Units: **mg/L**		Prep Date: **11/16/2018**		Run No: **384865**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **270318**		Analysis Date: **11/16/2018**		Seq No: **8593544**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004560	0.00020	0.0050		91.2	80	120				

Sample ID: **1811E93-001CMS**	Client ID:				Units: **mg/L**		Prep Date: **11/16/2018**		Run No: **384865**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **270318**		Analysis Date: **11/16/2018**		Seq No: **8593547**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005039	0.00020	0.0050		101	75	125				

Sample ID: **1811E93-001CMSD**	Client ID:				Units: **mg/L**		Prep Date: **11/16/2018**		Run No: **384865**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **270318**		Analysis Date: **11/16/2018**		Seq No: **8593548**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005080	0.00020	0.0050		102	75	125	0.005039	0.823	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270319

Sample ID: **MB-270319** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **384918**
SampleType: **MBLK** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **270319** Analysis Date: **11/16/2018** Seq No: **8595814**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	50.0									
Arsenic	BRL	5.00									
Barium	BRL	10.0									
Cadmium	BRL	0.700									
Chromium	BRL	5.00									
Cobalt	BRL	5.00									
Copper	BRL	2.00									
Lead	BRL	1.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	10.0									

Sample ID: **LCS-270319** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **384918**
SampleType: **LCS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **270319** Analysis Date: **11/16/2018** Seq No: **8595815**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1127	50.0	1000	39.34	109	80	120				
Arsenic	111.5	5.00	100.0		111	80	120				
Barium	111.7	10.0	100.0	0.5718	111	80	120				
Cadmium	107.1	0.700	100.0		107	80	120				
Chromium	110.1	5.00	100.0		110	80	120				
Cobalt	111.9	5.00	100.0		112	80	120				
Copper	112.9	2.00	100.0		113	80	120				
Lead	106.9	1.00	100.0		107	80	120				
Nickel	112.0	5.00	100.0		112	80	120				
Selenium	109.1	5.00	100.0		109	80	120				
Vanadium	113.2	5.00	100.0		113	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270319

Sample ID: **LCS-270319**	Client ID:			Units: **ug/L**	Prep Date: **11/16/2018**	Run No: **384918**
SampleType: **LCS**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **270319**	Analysis Date: **11/16/2018**	Seq No: **8595815**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	110.8	10.0	100.0		111	80	120				

Sample ID: **1811D35-007CMS**	Client ID: **PB-4A**			Units: **ug/L**	Prep Date: **11/16/2018**	Run No: **384918**
SampleType: **MS**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **270319**	Analysis Date: **11/16/2018**	Seq No: **8595818**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	2595	50.0	1000	919.6	168	75	125				S
Arsenic	112.4	5.00	100.0	6.690	106	75	125				
Barium	172.2	10.0	100.0	55.62	117	75	125				
Cadmium	103.0	0.700	100.0	0.2244	103	75	125				
Chromium	115.1	5.00	100.0	7.710	107	75	125				
Cobalt	108.4	5.00	100.0	0.5446	108	75	125				
Copper	116.2	2.00	100.0	7.587	109	75	125				
Lead	121.5	1.00	100.0	15.29	106	75	125				
Nickel	108.7	5.00	100.0	1.327	107	75	125				
Selenium	102.7	5.00	100.0		103	75	125				
Vanadium	115.2	5.00	100.0	4.762	110	75	125				
Zinc	126.5	10.0	100.0	18.69	108	75	125				

Sample ID: **1811D35-007CMSD**	Client ID: **PB-4A**			Units: **ug/L**	Prep Date: **11/16/2018**	Run No: **384918**
SampleType: **MSD**	TestCode: **Total Metals by ICP/MS** **SW6020B**			BatchID: **270319**	Analysis Date: **11/16/2018**	Seq No: **8595820**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	2465	50.0	1000	919.6	155	75	125	2595	5.14	20	S
Arsenic	110.4	5.00	100.0	6.690	104	75	125	112.4	1.78	20	
Barium	165.2	10.0	100.0	55.62	110	75	125	172.2	4.15	20	
Cadmium	102.6	0.700	100.0	0.2244	102	75	125	103.0	0.361	20	
Chromium	112.3	5.00	100.0	7.710	105	75	125	115.1	2.45	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270319

Sample ID: **1811D35-007CMSD** Client ID: **PB-4A** Units: **ug/L** Prep Date: **11/16/2018** Run No: **384918**
SampleType: **MSD** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **270319** Analysis Date: **11/16/2018** Seq No: **8595820**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	107.0	5.00	100.0	0.5446	106	75	125	108.4	1.30	20	
Copper	113.7	2.00	100.0	7.587	106	75	125	116.2	2.17	20	
Lead	119.3	1.00	100.0	15.29	104	75	125	121.5	1.87	20	
Nickel	107.7	5.00	100.0	1.327	106	75	125	108.7	0.893	20	
Selenium	99.75	5.00	100.0		99.7	75	125	102.7	2.90	20	
Vanadium	111.9	5.00	100.0	4.762	107	75	125	115.2	2.96	20	
Zinc	123.8	10.0	100.0	18.69	105	75	125	126.5	2.13	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270402

Sample ID: **MB-270402**	Client ID:				Units: **mg/L**		Prep Date: **11/19/2018**		Run No: **384974**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **270402**		Analysis Date: **11/19/2018**		Seq No: **8596759**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-270402**	Client ID:				Units: **mg/L**		Prep Date: **11/19/2018**		Run No: **384974**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **270402**		Analysis Date: **11/19/2018**		Seq No: **8596760**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004651	0.00020	0.0050		93.0	80	120				

Sample ID: **1811C88-002AMS**	Client ID:				Units: **mg/L**		Prep Date: **11/19/2018**		Run No: **384974**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **270402**		Analysis Date: **11/19/2018**		Seq No: **8596762**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004856	0.00020	0.0050		97.1	75	125				

Sample ID: **1811C88-002AMSD**	Client ID:				Units: **mg/L**		Prep Date: **11/19/2018**		Run No: **384974**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **270402**		Analysis Date: **11/19/2018**		Seq No: **8596763**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005089	0.00020	0.0050		102	75	125	0.004856	4.68	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270405

Sample ID: **MB-270405** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **384871**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270405** Analysis Date: **11/16/2018** Seq No: **8593636**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	48.23	0	50.00		96.5	68	127				
Surr: Dibromofluoromethane	50.34	0	50.00		101	84.4	122				
Surr: Toluene-d8	47.07	0	50.00		94.1	80.1	116				

Sample ID: **LCS-270405** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **384871**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270405** Analysis Date: **11/16/2018** Seq No: **8593634**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	15.60	5.0	20.00		78.0	69	136				
Benzene	18.56	5.0	20.00		92.8	73.7	126				
Toluene	17.20	5.0	20.00		86.0	76.8	125				
Trichloroethene	18.28	5.0	20.00		91.4	70.9	124				
Surr: 4-Bromofluorobenzene	48.57	0	50.00		97.1	68	127				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270405

Sample ID: **LCS-270405** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **384871**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270405** Analysis Date: **11/16/2018** Seq No: **8593634**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	49.89	0	50.00		99.8	84.4	122				
Surr: Toluene-d8	44.33	0	50.00		88.7	80.1	116				

Sample ID: **1811E50-001AMS** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **385121**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270405** Analysis Date: **11/21/2018** Seq No: **8601909**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	515.1	50	500.0		103	65.7	143				
Benzene	541.5	50	500.0		108	66.1	137				
Toluene	544.1	50	500.0	0.8800	109	63.8	141				
Trichloroethene	557.5	50	500.0		112	70.6	128				
Surr: 4-Bromofluorobenzene	484.6	0	500.0		96.9	68	127				
Surr: Dibromofluoromethane	442.0	0	500.0		88.4	84.4	122				
Surr: Toluene-d8	466.7	0	500.0		93.3	80.1	116				

Sample ID: **1811E50-001AMSD** Client ID: Units: **ug/L** Prep Date: **11/16/2018** Run No: **385121**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270405** Analysis Date: **11/21/2018** Seq No: **8601910**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	482.9	50	500.0		96.6	65.7	143	515.1	6.45	17.7	
Benzene	534.4	50	500.0		107	66.1	137	541.5	1.32	20	
Toluene	553.8	50	500.0	0.8800	111	63.8	141	544.1	1.77	20	
Trichloroethene	545.8	50	500.0		109	70.6	128	557.5	2.12	20	
Surr: 4-Bromofluorobenzene	499.8	0	500.0		100.0	68	127	484.6	0	0	
Surr: Dibromofluoromethane	451.5	0	500.0		90.3	84.4	122	442.0	0	0	
Surr: Toluene-d8	477.6	0	500.0		95.5	80.1	116	466.7	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270466

Sample ID: **MB-270466**	Client ID:			Units: **mg/L**	Prep Date: **11/20/2018**	Run No: **385059**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**			BatchID: **270466**	Analysis Date: **11/20/2018**	Seq No: **8599027**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-270466**	Client ID:			Units: **mg/L**	Prep Date: **11/20/2018**	Run No: **385059**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**			BatchID: **270466**	Analysis Date: **11/20/2018**	Seq No: **8599028**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004791	0.00020	0.0050		95.8	80	120				

Sample ID: **1811D35-023CMS**	Client ID: **SW-9**			Units: **mg/L**	Prep Date: **11/20/2018**	Run No: **385059**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**			BatchID: **270466**	Analysis Date: **11/20/2018**	Seq No: **8599032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004798	0.00020	0.0050		96.0	75	125				

Sample ID: **1811D35-023CMSD**	Client ID: **SW-9**			Units: **mg/L**	Prep Date: **11/20/2018**	Run No: **385059**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**			BatchID: **270466**	Analysis Date: **11/20/2018**	Seq No: **8599033**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004805	0.00020	0.0050		96.1	75	125	0.004798	0.150	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270473

Sample ID: **MB-270473** Client ID: Units: **ug/L** Prep Date: **11/19/2018** Run No: **384937**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270473** Analysis Date: **11/19/2018** Seq No: **8595903**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	47.74	0	50.00		95.5	68	127				
Surr: Dibromofluoromethane	48.44	0	50.00		96.9	84.4	122				
Surr: Toluene-d8	48.27	0	50.00		96.5	80.1	116				

Sample ID: **LCS-270473** Client ID: Units: **ug/L** Prep Date: **11/19/2018** Run No: **384937**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270473** Analysis Date: **11/19/2018** Seq No: **8595898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.89	5.0	50.00		104	69	136				
Benzene	49.65	5.0	50.00		99.3	73.7	126				
Toluene	47.32	5.0	50.00		94.6	76.8	125				
Trichloroethene	48.75	5.0	50.00		97.5	70.9	124				
Surr: 4-Bromofluorobenzene	48.62	0	50.00		97.2	68	127				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270473

Sample ID: **LCS-270473**	Client ID:		Units: **ug/L**	Prep Date: **11/19/2018**	Run No: **384937**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **270473**	Analysis Date: **11/19/2018**	Seq No: **8595898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.01	0	50.00		102	84.4	122				
Surr: Toluene-d8	48.42	0	50.00		96.8	80.1	116				

Sample ID: **1811E34-007AMS**	Client ID:		Units: **ug/L**	Prep Date: **11/19/2018**	Run No: **385121**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **270473**	Analysis Date: **11/21/2018**	Seq No: **8602579**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	21.47	5.0	20.00		107	65.7	143				
Benzene	23.89	5.0	20.00		119	66.1	137				
Toluene	24.33	5.0	20.00		122	63.8	141				
Trichloroethene	24.27	5.0	20.00		121	70.6	128				
Surr: 4-Bromofluorobenzene	48.18	0	50.00		96.4	68	127				
Surr: Dibromofluoromethane	44.13	0	50.00		88.3	84.4	122				
Surr: Toluene-d8	47.00	0	50.00		94.0	80.1	116				

Sample ID: **1811E34-007AMSD**	Client ID:		Units: **ug/L**	Prep Date: **11/19/2018**	Run No: **385121**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **270473**	Analysis Date: **11/21/2018**	Seq No: **8602580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	20.49	5.0	20.00		102	65.7	143	21.47	4.67	17.7	
Benzene	23.52	5.0	20.00		118	66.1	137	23.89	1.56	20	
Toluene	23.66	5.0	20.00		118	63.8	141	24.33	2.79	20	
Trichloroethene	23.70	5.0	20.00		118	70.6	128	24.27	2.38	20	
Surr: 4-Bromofluorobenzene	49.02	0	50.00		98.0	68	127	48.18	0	0	
Surr: Dibromofluoromethane	44.48	0	50.00		89.0	84.4	122	44.13	0	0	
Surr: Toluene-d8	47.13	0	50.00		94.3	80.1	116	47.00	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270579

Sample ID: **MB-270579** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385157**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8601243**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	48.41	0	50.00		96.8	65.1	125				
Surr: Dibromofluoromethane	51.32	0	50.00		103	77.7	123				
Surr: Toluene-d8	51.00	0	50.00		102	83.2	120				

Sample ID: **LCS-270579** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385157**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8601241**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.51	5.0	50.00		119	67.6	140				
Benzene	51.34	5.0	50.00		103	71.3	130				
Toluene	52.11	5.0	50.00		104	70.4	127				
Trichloroethene	53.35	5.0	50.00		107	68.6	138				
Surr: 4-Bromofluorobenzene	47.34	0	50.00		94.7	65.1	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270579

Sample ID: **LCS-270579** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385157**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8601241**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	50.97	0	50.00		102	77.7	123				
Surr: Toluene-d8	51.35	0	50.00		103	83.2	120				

Sample ID: **1811C59-002AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **11/21/2018** Run No: **385157**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8602243**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.06863	0.0063	0.0625		110	61.8	140				
Benzene	0.06033	0.0063	0.0625		96.5	69	131				
Toluene	0.05918	0.0063	0.0625		94.7	65.9	133				
Trichloroethene	0.05879	0.0063	0.0625		94.1	65.9	135				
Surr: 4-Bromofluorobenzene	0.05821	0	0.0625		93.1	65.1	125				
Surr: Dibromofluoromethane	0.06046	0	0.0625		96.7	77.7	123				
Surr: Toluene-d8	0.06261	0	0.0625		100	83.2	120				

Sample ID: **1811C59-001ADUP** Client ID: Units: **mg/Kg-dry** Prep Date: **11/21/2018** Run No: **385157**
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8602385**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0066						0	0	20	
1,1-Dichloroethene	BRL	0.0066						0	0	20	
1,2,4-Trimethylbenzene	BRL	0.0066						0	0	20	
1,2-Dichloroethane	BRL	0.0066						0	0	20	
1,3,5-Trimethylbenzene	BRL	0.0066						0	0	20	
2-Butanone	BRL	0.066						0	0	20	
Acetone	0.2834	0.13						0.3304	15.3	20	
Benzene	BRL	0.0066						0	0	20	
Ethylbenzene	BRL	0.0066						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270579

Sample ID: **1811C59-001ADUP** Client ID:
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **mg/Kg-dry** Prep Date: **11/21/2018** Run No: **385157**
BatchID: **270579** Analysis Date: **11/21/2018** Seq No: **8602385**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
m,p-Xylene	BRL	0.0066						0	0	20	
o-Xylene	BRL	0.0066						0	0	20	
Styrene	BRL	0.0066						0	0	20	
Tetrachloroethene	BRL	0.0066						0	0	20	
Toluene	BRL	0.0066						0.001744	0	20	
Trichloroethene	BRL	0.0066						0	0	20	
Surr: 4-Bromofluorobenzene	0.06350	0						0.06306	0	0	
Surr: Dibromofluoromethane	0.06291	0						0.06650	0	0	
Surr: Toluene-d8	0.06610	0						0.06720	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270631

Sample ID: **MB-270631** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385233**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270631** Analysis Date: **11/21/2018** Seq No: **8603633**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	46.83	0	50.00		93.7	65.1	125				
Surr: Dibromofluoromethane	49.28	0	50.00		98.6	77.7	123				
Surr: Toluene-d8	50.97	0	50.00		102	83.2	120				

Sample ID: **LCS-270631** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385275**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270631** Analysis Date: **11/23/2018** Seq No: **8604816**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.55	5.0	50.00		121	67.6	140				
Benzene	51.47	5.0	50.00		103	71.3	130				
Toluene	50.60	5.0	50.00	0.8300	99.5	70.4	127				
Trichloroethene	50.47	5.0	50.00		101	68.6	138				
Surr: 4-Bromofluorobenzene	46.43	0	50.00		92.9	65.1	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270631

Sample ID: **LCS-270631** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385275**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270631** Analysis Date: **11/23/2018** Seq No: **8604816**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	48.90	0	50.00		97.8	77.7	123				
Surr: Toluene-d8	52.28	0	50.00		105	83.2	120				

Sample ID: **1811I53-001AMS** Client ID: Units: **ug/Kg** Prep Date: **11/21/2018** Run No: **385275**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270631** Analysis Date: **11/23/2018** Seq No: **8604515**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.60	4.1	41.46		108	61.8	140				
Benzene	37.90	4.1	41.46		91.4	69	131				
Toluene	36.34	4.1	41.46		87.7	65.9	133				
Trichloroethene	56.82	4.1	41.46	23.20	81.1	65.9	135				
Surr: 4-Bromofluorobenzene	36.86	0	41.46		88.9	65.1	125				
Surr: Dibromofluoromethane	39.19	0	41.46		94.5	77.7	123				
Surr: Toluene-d8	43.07	0	41.46		104	83.2	120				

Sample ID: **1811H72-003ADUP** Client ID: Units: **mg/Kg-dry** Prep Date: **11/21/2018** Run No: **385275**
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **270631** Analysis Date: **11/23/2018** Seq No: **8604509**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0080						0	0	20	
1,1-Dichloroethene	BRL	0.0080						0	0	20	
1,2,4-Trimethylbenzene	BRL	0.0080						0	0	20	
1,2-Dichloroethane	BRL	0.0080						0	0	20	
1,3,5-Trimethylbenzene	BRL	0.0080						0	0	20	
2-Butanone	BRL	0.080						0	0	20	
Acetone	BRL	0.16						0	0	20	
Benzene	BRL	0.0080						0	0	20	
Ethylbenzene	BRL	0.0080						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1811D35

ANALYTICAL QC SUMMARY REPORT

BatchID: 270631

Sample ID: **1811H72-003ADUP** Client ID:
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **mg/Kg-dry** Prep Date: **11/21/2018** Run No: **385275**
BatchID: **270631** Analysis Date: **11/23/2018** Seq No: **8604509**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
m,p-Xylene	BRL	0.0080						0	0	20	
o-Xylene	BRL	0.0080						0	0	20	
Styrene	BRL	0.0080						0	0	20	
Tetrachloroethene	BRL	0.0080						0	0	20	
Toluene	BRL	0.0080						0	0	20	
Trichloroethene	BRL	0.0080						0	0	20	
Surr: 4-Bromofluorobenzene	0.07163	0						0.05056	0	0	
Surr: Dibromofluoromethane	0.07876	0						0.05322	0	0	
Surr: Toluene-d8	0.08235	0						0.05369	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

February 21, 2019

Kenneth C. Summerour
Envirorisk Consultants

601 S. Madison Ave
Monroe GA 30655

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1902D90

Analytical Environmental Services, Inc. received 9 samples on 2/14/2019 2:12:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
AES
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1902090

Date: 2/14/19 Page 1 of 1

COMPANY:	ADDRESS:
ENVIRORISK CONSULTANTS, INC.	533 S. MADISON AVE. MONROE, GA 30655
PHONE: 678-635-7360	EMAIL: jchappelle@eriskinc.com
SAMPLED BY: JASON CHAPPELL	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)			ANALYSIS REQUESTED: 8260 - site specific	8270 - site specific	Metals - site specific	REMARKS	Number of Containers
1	TMW-17-(4-5')	2/13/19	1240	✓		SO	✓	✓	✓	✓	✓	✓		
2	TMW-17-(14-15')		1255	✓		SO	✓	✓	✓	✓	✓	✓		
3	TMW-18-(4-5')		1440	✓		SO	✓	✓	✓	✓	✓	✓		
4	TMW-18-(14-15')		1455	✓		SO	✓	✓	✓	✓	✓	✓		
5	TMW-19-(4-5')		1600	✓		SO	✓	✓	✓	✓	✓	✓		
6	TMW-19-(14-15')	↓	1615	✓		SO	✓	✓	✓	✓	✓	✓		
7	TMW-20-(0-2')	2/14/19	1300	✓		SO	✓	✓	✓	✓	✓	✓		
8	TMW-20-(0-2')	↓	1315	✓		SO	✓	✓	✓	✓	✓	✓		
9														
10														
11														
12														
13														
14														

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	2/14/19 1412	1. Andrena Gray	2/14/19 2112
2.		2.	
3.		3.	

PROJECT INFORMATION

PROJECT NAME: WC MOREDITH
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: Ken Summerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time (TAT) Request

- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush **(auth req.)**
- [ ] Other

STATE PROGRAM (if any):
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other:

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 21-Feb-19

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1902D90

Case Narrative

Sample Receiving Non-conformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Metals Analysis by Method _6020B:

Due to sample matrix, samples 1902D90-001C, 002C, 003C, 004C, 005C, 006C, 007C, and 008C required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 12:40:00 PM
Lab ID:	1902D90-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Acetone	BRL	0.22		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
2-Butanone	BRL	0.11		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Benzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Trichloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Toluene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Tetrachloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Ethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
m,p-Xylene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
o-Xylene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Styrene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 14:24	BK
Surr: 4-Bromofluorobenzene	93.8	65.1-125		%REC	274681	1	02/18/2019 14:24	BK
Surr: Dibromofluoromethane	101	77.7-123		%REC	274681	1	02/18/2019 14:24	BK
Surr: Toluene-d8	94.8	83.2-120		%REC	274681	1	02/18/2019 14:24	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	0.180	0.126		mg/Kg-dry	274583	1	02/18/2019 15:47	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Anthracene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Benz(a)anthracene	0.78	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Benzo(a)pyrene	0.84	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Benzo(b)fluoranthene	1.2	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Benzo(k)fluoranthene	0.53	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Carbazole	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Chrysene	0.87	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 12:40:00 PM
Lab ID:	1902D90-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Fluoranthene	1.9	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Fluorene	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Indeno(1,2,3-cd)pyrene	0.47	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Naphthalene	0.74	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Phenanthrene	2.2	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Phenol	BRL	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Pyrene	1.5	0.42		mg/Kg-dry	274604	1	02/19/2019 17:24	YH
Surr: 2,4,6-Tribromophenol	50.9	45.6-120		%REC	274604	1	02/19/2019 17:24	YH
Surr: 2-Fluorobiphenyl	62	51.4-120		%REC	274604	1	02/19/2019 17:24	YH
Surr: 2-Fluorophenol	65	40.9-120		%REC	274604	1	02/19/2019 17:24	YH
Surr: 4-Terphenyl-d14	63.7	52.2-129		%REC	274604	1	02/19/2019 17:24	YH
Surr: Nitrobenzene-d5	67.7	40-120		%REC	274604	1	02/19/2019 17:24	YH
Surr: Phenol-d5	69.6	45-120		%REC	274604	1	02/19/2019 17:24	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	14000	204		mg/Kg-dry	274516	20	02/19/2019 19:24	KT
Arsenic	BRL	76.5		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Barium	398	5.10		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Cadmium	BRL	0.51		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Chromium	104	10.2		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Cobalt	46.4	2.55		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Copper	43.0	1.02		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Lead	46.9	0.51		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Nickel	62.3	2.55		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Selenium	BRL	25.5		mg/Kg-dry	274516	10	02/18/2019 18:55	KT
Vanadium	159	2.55		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
Zinc	252	5.10		mg/Kg-dry	274516	10	02/15/2019 21:24	KT
PERCENT MOISTURE D2216								
Percent Moisture	20.9	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 12:55:00 PM
Lab ID:	1902D90-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Acetone	BRL	0.17		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
2-Butanone	BRL	0.083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
1,1,1-Trichloroethane	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Benzene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
1,2-Dichloroethane	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Trichloroethene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Toluene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Tetrachloroethene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Ethylbenzene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
m,p-Xylene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
o-Xylene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Styrene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
1,3,5-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
1,2,4-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	274681	1	02/18/2019 14:50	BK
Surr: 4-Bromofluorobenzene	93.8	65.1-125		%REC	274681	1	02/18/2019 14:50	BK
Surr: Dibromofluoromethane	98.3	77.7-123		%REC	274681	1	02/18/2019 14:50	BK
Surr: Toluene-d8	97.7	83.2-120		%REC	274681	1	02/18/2019 14:50	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.120		mg/Kg-dry	274583	1	02/18/2019 15:56	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Carbazole	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Chrysene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 12:55:00 PM
Lab ID:	1902D90-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Fluorene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Naphthalene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Phenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 17:53	YH
Surr: 2,4,6-Tribromophenol	41.2	45.6-120	S	%REC	274604	1	02/19/2019 17:53	YH
Surr: 2-Fluorobiphenyl	50.2	51.4-120	S	%REC	274604	1	02/19/2019 17:53	YH
Surr: 2-Fluorophenol	52.4	40.9-120		%REC	274604	1	02/19/2019 17:53	YH
Surr: 4-Terphenyl-d14	55.2	52.2-129		%REC	274604	1	02/19/2019 17:53	YH
Surr: Nitrobenzene-d5	51.9	40-120		%REC	274604	1	02/19/2019 17:53	YH
Surr: Phenol-d5	57.9	45-120		%REC	274604	1	02/19/2019 17:53	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	23900	164		mg/Kg-dry	274516	20	02/19/2019 19:27	KT
Arsenic	BRL	61.6		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Barium	257	4.10		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Cadmium	BRL	0.41		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Chromium	64.5	8.21		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Cobalt	25.8	2.05		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Copper	16.2	0.82		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Lead	17.5	0.41		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Nickel	42.0	2.05		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Selenium	BRL	20.5		mg/Kg-dry	274516	10	02/18/2019 18:59	KT
Vanadium	81.6	2.05		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
Zinc	162	4.10		mg/Kg-dry	274516	10	02/15/2019 20:51	KT
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 2:40:00 PM
Lab ID:	1902D90-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Acetone	BRL	0.20		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
2-Butanone	BRL	0.098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
1,1,1-Trichloroethane	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Benzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
1,2-Dichloroethane	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Trichloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Toluene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Tetrachloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Ethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
m,p-Xylene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
o-Xylene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Styrene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
1,3,5-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
1,2,4-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 15:16	BK
Surr: 4-Bromofluorobenzene	94.6	65.1-125		%REC	274681	1	02/18/2019 15:16	BK
Surr: Dibromofluoromethane	103	77.7-123		%REC	274681	1	02/18/2019 15:16	BK
Surr: Toluene-d8	96.5	83.2-120		%REC	274681	1	02/18/2019 15:16	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.115		mg/Kg-dry	274583	1	02/18/2019 16:04	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2,4,6-Trichlorophenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2,4-Dimethylphenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2,4-Dinitrophenol	BRL	1.9		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2-Chlorophenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2-Methylnaphthalene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
2-Methylphenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
3,4-Methylphenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
4-Chloro-3-methylphenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Acenaphthene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Acenaphthylene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Anthracene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Benz(a)anthracene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Benzo(a)pyrene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Benzo(b)fluoranthene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Benzo(k)fluoranthene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Carbazole	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Chrysene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 2:40:00 PM
Lab ID:	1902D90-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Dibenzofuran	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Fluoranthene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Fluorene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Indeno(1,2,3-cd)pyrene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Naphthalene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Pentachlorophenol	BRL	1.9		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Phenanthrene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Phenol	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Pyrene	BRL	0.38		mg/Kg-dry	274604	1	02/19/2019 18:21	YH
Surr: 2,4,6-Tribromophenol	51.2	45.6-120		%REC	274604	1	02/19/2019 18:21	YH
Surr: 2-Fluorobiphenyl	63.5	51.4-120		%REC	274604	1	02/19/2019 18:21	YH
Surr: 2-Fluorophenol	65.8	40.9-120		%REC	274604	1	02/19/2019 18:21	YH
Surr: 4-Terphenyl-d14	66.5	52.2-129		%REC	274604	1	02/19/2019 18:21	YH
Surr: Nitrobenzene-d5	67.7	40-120		%REC	274604	1	02/19/2019 18:21	YH
Surr: Phenol-d5	72.3	45-120		%REC	274604	1	02/19/2019 18:21	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	16500	203		mg/Kg-dry	274516	20	02/19/2019 19:07	KT
Arsenic	BRL	76.2		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Barium	107	5.08		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Cadmium	BRL	0.51		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Chromium	48.6	10.2		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Cobalt	34.1	2.54		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Copper	57.5	1.02		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Lead	12.6	0.51		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Nickel	39.3	2.54		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Selenium	BRL	25.4		mg/Kg-dry	274516	10	02/18/2019 18:52	KT
Vanadium	80.7	2.54		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
Zinc	137	5.08		mg/Kg-dry	274516	10	02/15/2019 20:30	KT
PERCENT MOISTURE D2216								
Percent Moisture	12.7	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 2:55:00 PM
Lab ID:	1902D90-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Acetone	BRL	0.22		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
2-Butanone	BRL	0.11		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Benzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Trichloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Toluene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Tetrachloroethene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Ethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
m,p-Xylene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
o-Xylene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Styrene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	274681	1	02/18/2019 15:42	BK
Surr: 4-Bromofluorobenzene	92.8	65.1-125		%REC	274681	1	02/18/2019 15:42	BK
Surr: Dibromofluoromethane	98.7	77.7-123		%REC	274681	1	02/18/2019 15:42	BK
Surr: Toluene-d8	98.8	83.2-120		%REC	274681	1	02/18/2019 15:42	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.121		mg/Kg-dry	274583	1	02/18/2019 16:13	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Carbazole	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Chrysene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 2:55:00 PM
Lab ID:	1902D90-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Fluorene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Naphthalene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Phenol	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Pyrene	BRL	0.40		mg/Kg-dry	274604	1	02/19/2019 18:49	YH
Surr: 2,4,6-Tribromophenol	57.4	45.6-120		%REC	274604	1	02/19/2019 18:49	YH
Surr: 2-Fluorobiphenyl	71.1	51.4-120		%REC	274604	1	02/19/2019 18:49	YH
Surr: 2-Fluorophenol	73.5	40.9-120		%REC	274604	1	02/19/2019 18:49	YH
Surr: 4-Terphenyl-d14	77.3	52.2-129		%REC	274604	1	02/19/2019 18:49	YH
Surr: Nitrobenzene-d5	76	40-120		%REC	274604	1	02/19/2019 18:49	YH
Surr: Phenol-d5	80.3	45-120		%REC	274604	1	02/19/2019 18:49	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	13800	174		mg/Kg-dry	274516	20	02/19/2019 19:30	KT
Arsenic	BRL	65.1		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Barium	162	4.34		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Cadmium	BRL	0.43		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Chromium	47.8	8.68		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Cobalt	56.0	2.17		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Copper	132	0.87		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Lead	33.6	0.43		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Nickel	35.3	2.17		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Selenium	BRL	21.7		mg/Kg-dry	274516	10	02/18/2019 19:02	KT
Vanadium	111	2.17		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
Zinc	126	4.34		mg/Kg-dry	274516	10	02/15/2019 20:54	KT
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 4:00:00 PM
Lab ID:	1902D90-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Acetone	BRL	0.20		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
2-Butanone	BRL	0.098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
1,1,1-Trichloroethane	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Benzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
1,2-Dichloroethane	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Trichloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Toluene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Tetrachloroethene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Ethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
m,p-Xylene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
o-Xylene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Styrene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
1,3,5-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
1,2,4-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	274681	1	02/18/2019 16:08	BK
Surr: 4-Bromofluorobenzene	94.4	65.1-125		%REC	274681	1	02/18/2019 16:08	BK
Surr: Dibromofluoromethane	103	77.7-123		%REC	274681	1	02/18/2019 16:08	BK
Surr: Toluene-d8	97.1	83.2-120		%REC	274681	1	02/18/2019 16:08	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.108		mg/Kg-dry	274583	1	02/18/2019 16:21	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2,4,6-Trichlorophenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2,4-Dimethylphenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2,4-Dinitrophenol	BRL	1.8		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2-Chlorophenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2-Methylnaphthalene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
2-Methylphenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
3,4-Methylphenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
4-Chloro-3-methylphenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Acenaphthene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Acenaphthylene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Anthracene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Benz(a)anthracene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Benzo(a)pyrene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Benzo(b)fluoranthene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Benzo(k)fluoranthene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Carbazole	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Chrysene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19-(4-5')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 4:00:00 PM
Lab ID:	1902D90-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Dibenzofuran	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Fluoranthene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Fluorene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Indeno(1,2,3-cd)pyrene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Naphthalene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Pentachlorophenol	BRL	1.8		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Phenanthrene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Phenol	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Pyrene	BRL	0.36		mg/Kg-dry	274604	1	02/19/2019 19:17	YH
Surr: 2,4,6-Tribromophenol	48.1	45.6-120		%REC	274604	1	02/19/2019 19:17	YH
Surr: 2-Fluorobiphenyl	59.5	51.4-120		%REC	274604	1	02/19/2019 19:17	YH
Surr: 2-Fluorophenol	62.6	40.9-120		%REC	274604	1	02/19/2019 19:17	YH
Surr: 4-Terphenyl-d14	64.2	52.2-129		%REC	274604	1	02/19/2019 19:17	YH
Surr: Nitrobenzene-d5	64.2	40-120		%REC	274604	1	02/19/2019 19:17	YH
Surr: Phenol-d5	68.4	45-120		%REC	274604	1	02/19/2019 19:17	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	26400	203		mg/Kg-dry	274516	20	02/19/2019 19:33	KT
Arsenic	BRL	76.2		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Barium	227	5.08		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Cadmium	BRL	0.51		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Chromium	45.4	10.2		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Cobalt	28.0	2.54		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Copper	2.68	1.02		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Lead	12.1	0.51		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Nickel	35.0	2.54		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Selenium	BRL	25.4		mg/Kg-dry	274516	10	02/18/2019 19:05	KT
Vanadium	62.7	2.54		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
Zinc	104	5.08		mg/Kg-dry	274516	10	02/15/2019 21:07	KT
PERCENT MOISTURE D2216								
Percent Moisture	7.64	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 4:15:00 PM
Lab ID:	1902D90-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Acetone	BRL	0.20		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
2-Butanone	BRL	0.100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
1,1,1-Trichloroethane	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Benzene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
1,2-Dichloroethane	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Trichloroethene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Toluene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Tetrachloroethene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Ethylbenzene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
m,p-Xylene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
o-Xylene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Styrene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
1,3,5-Trimethylbenzene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
1,2,4-Trimethylbenzene	BRL	0.0100		mg/Kg-dry	274681	1	02/18/2019 16:35	BK
Surr: 4-Bromofluorobenzene	93.4	65.1-125		%REC	274681	1	02/18/2019 16:35	BK
Surr: Dibromofluoromethane	97.5	77.7-123		%REC	274681	1	02/18/2019 16:35	BK
Surr: Toluene-d8	98.3	83.2-120		%REC	274681	1	02/18/2019 16:35	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	BRL	0.117		mg/Kg-dry	274583	1	02/18/2019 16:30	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Carbazole	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Chrysene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19-(14-15')
Project Name:	WC Meredith	**Collection Date:**	2/13/2019 4:15:00 PM
Lab ID:	1902D90-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Fluorene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Naphthalene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Phenanthrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Phenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 19:44	YH
Surr: 2,4,6-Tribromophenol	45.2	45.6-120	S	%REC	274604	1	02/19/2019 19:44	YH
Surr: 2-Fluorobiphenyl	56.3	51.4-120		%REC	274604	1	02/19/2019 19:44	YH
Surr: 2-Fluorophenol	58.1	40.9-120		%REC	274604	1	02/19/2019 19:44	YH
Surr: 4-Terphenyl-d14	64.1	52.2-129		%REC	274604	1	02/19/2019 19:44	YH
Surr: Nitrobenzene-d5	59.8	40-120		%REC	274604	1	02/19/2019 19:44	YH
Surr: Phenol-d5	63.2	45-120		%REC	274604	1	02/19/2019 19:44	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	25200	103		mg/Kg-dry	274516	10	02/18/2019 19:09	KT
Arsenic	BRL	77.5		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Barium	265	5.17		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Cadmium	BRL	0.52		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Chromium	48.0	10.3		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Cobalt	17.1	2.58		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Copper	1.40	1.03		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Lead	12.4	0.52		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Nickel	30.1	2.58		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Selenium	BRL	25.8		mg/Kg-dry	274516	10	02/18/2019 19:09	KT
Vanadium	63.1	2.58		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
Zinc	114	5.17		mg/Kg-dry	274516	10	02/15/2019 21:11	KT
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-20-(0-2')
Project Name:	WC Meredith	**Collection Date:**	2/14/2019 1:00:00 PM
Lab ID:	1902D90-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Acetone	BRL	0.15		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
2-Butanone	BRL	0.077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
1,1,1-Trichloroethane	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Benzene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
1,2-Dichloroethane	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Trichloroethene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Toluene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Tetrachloroethene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Ethylbenzene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
m,p-Xylene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
o-Xylene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Styrene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
1,3,5-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
1,2,4-Trimethylbenzene	BRL	0.0077		mg/Kg-dry	274681	1	02/18/2019 17:01	BK
Surr: 4-Bromofluorobenzene	82.3	65.1-125		%REC	274681	1	02/18/2019 17:01	BK
Surr: Dibromofluoromethane	101	77.7-123		%REC	274681	1	02/18/2019 17:01	BK
Surr: Toluene-d8	95.1	83.2-120		%REC	274681	1	02/18/2019 17:01	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	0.122	0.114		mg/Kg-dry	274583	1	02/18/2019 16:38	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2,4,6-Trichlorophenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2,4-Dimethylphenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2,4-Dinitrophenol	BRL	1.9		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2-Chlorophenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2-Methylnaphthalene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
2-Methylphenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
3,4-Methylphenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
4-Chloro-3-methylphenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Acenaphthene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Acenaphthylene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Anthracene	0.59	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Benz(a)anthracene	0.45	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Benzo(a)pyrene	0.67	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Benzo(b)fluoranthene	1.3	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Benzo(k)fluoranthene	0.49	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Carbazole	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Chrysene	0.50	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-20-(0-2')
Project Name:	WC Meredith	**Collection Date:**	2/14/2019 1:00:00 PM
Lab ID:	1902D90-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Dibenzofuran	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Fluoranthene	0.71	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Fluorene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Indeno(1,2,3-cd)pyrene	0.57	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Naphthalene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Pentachlorophenol	BRL	1.9		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Phenanthrene	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Phenol	BRL	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Pyrene	0.75	0.37		mg/Kg-dry	274604	1	02/19/2019 20:13	YH
Surr: 2,4,6-Tribromophenol	61	45.6-120		%REC	274604	1	02/19/2019 20:13	YH
Surr: 2-Fluorobiphenyl	75.7	51.4-120		%REC	274604	1	02/19/2019 20:13	YH
Surr: 2-Fluorophenol	76.3	40.9-120		%REC	274604	1	02/19/2019 20:13	YH
Surr: 4-Terphenyl-d14	80.1	52.2-129		%REC	274604	1	02/19/2019 20:13	YH
Surr: Nitrobenzene-d5	79.2	40-120		%REC	274604	1	02/19/2019 20:13	YH
Surr: Phenol-d5	85.3	45-120		%REC	274604	1	02/19/2019 20:13	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	10900	82.2		mg/Kg-dry	274516	10	02/18/2019 19:12	KT
Arsenic	BRL	61.7		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Barium	63.3	4.11		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Cadmium	BRL	0.41		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Chromium	32.9	8.22		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Cobalt	5.93	2.06		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Copper	25.2	0.82		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Lead	53.4	0.41		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Nickel	8.96	2.06		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Selenium	BRL	20.6		mg/Kg-dry	274516	10	02/18/2019 19:12	KT
Vanadium	39.1	2.06		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
Zinc	81.6	4.11		mg/Kg-dry	274516	10	02/15/2019 21:14	KT
PERCENT MOISTURE D2216								
Percent Moisture	11.9	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-21-(0-2')
Project Name:	WC Meredith	**Collection Date:**	2/14/2019 1:15:00 PM
Lab ID:	1902D90-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Acetone	BRL	0.19		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
2-Butanone	BRL	0.093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
1,1,1-Trichloroethane	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Benzene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
1,2-Dichloroethane	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Trichloroethene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Toluene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Tetrachloroethene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Ethylbenzene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
m,p-Xylene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
o-Xylene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Styrene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
1,3,5-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
1,2,4-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	274681	1	02/18/2019 17:27	BK
Surr: 4-Bromofluorobenzene	87.6	65.1-125		%REC	274681	1	02/18/2019 17:27	BK
Surr: Dibromofluoromethane	102	77.7-123		%REC	274681	1	02/18/2019 17:27	BK
Surr: Toluene-d8	97.6	83.2-120		%REC	274681	1	02/18/2019 17:27	BK
Total Mercury by SW7473				**(SW7473)**				
Mercury	0.152	0.120		mg/Kg-dry	274583	1	02/19/2019 09:27	AJ
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Carbazole	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Chrysene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-21-(0-2')
Project Name:	WC Meredith	**Collection Date:**	2/14/2019 1:15:00 PM
Lab ID:	1902D90-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Fluoranthene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Fluorene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Naphthalene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Phenanthrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Phenol	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Pyrene	BRL	0.39		mg/Kg-dry	274604	1	02/19/2019 20:41	YH
Surr: 2,4,6-Tribromophenol	58.2	45.6-120		%REC	274604	1	02/19/2019 20:41	YH
Surr: 2-Fluorobiphenyl	67.1	51.4-120		%REC	274604	1	02/19/2019 20:41	YH
Surr: 2-Fluorophenol	69.6	40.9-120		%REC	274604	1	02/19/2019 20:41	YH
Surr: 4-Terphenyl-d14	77.5	52.2-129		%REC	274604	1	02/19/2019 20:41	YH
Surr: Nitrobenzene-d5	71.1	40-120		%REC	274604	1	02/19/2019 20:41	YH
Surr: Phenol-d5	76.5	45-120		%REC	274604	1	02/19/2019 20:41	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	19900	88.9		mg/Kg-dry	274516	10	02/18/2019 19:15	KT
Arsenic	BRL	66.7		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Barium	91.2	4.45		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Cadmium	BRL	0.44		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Chromium	37.2	8.89		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Cobalt	5.93	2.22		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Copper	21.1	0.89		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Lead	68.5	0.44		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Nickel	9.38	2.22		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Selenium	BRL	22.2		mg/Kg-dry	274516	10	02/18/2019 19:15	KT
Vanadium	61.6	2.22		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
Zinc	66.4	4.45		mg/Kg-dry	274516	10	02/15/2019 21:17	KT
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R391252	1	02/18/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Feb-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	2/14/2019
Lab ID:	1902D90-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Acetone	BRL	50		ug/L	274515	1	02/15/2019 16:51	NP
2-Butanone	BRL	50		ug/L	274515	1	02/15/2019 16:51	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Benzene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
1,2-Dichloroethane	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Trichloroethene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Toluene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Tetrachloroethene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Ethylbenzene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
m,p-Xylene	BRL	2.0		ug/L	274515	1	02/15/2019 16:51	NP
o-Xylene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Styrene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	274515	1	02/15/2019 16:51	NP
Surr: 4-Bromofluorobenzene	101	64-125		%REC	274515	1	02/15/2019 16:51	NP
Surr: Dibromofluoromethane	106	76.4-125		%REC	274515	1	02/15/2019 16:51	NP
Surr: Toluene-d8	104	78.3-116		%REC	274515	1	02/15/2019 16:51	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Feb-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-17-(4-5')				**Lab ID:** 1902D90-001			
Collection Date: 2/13/2019 12:40:00 PM				**Matrix:** Soil			
Total Mercury by SW7473				**(SW7473)**			
Mercury	0.180		0.0181	0.126	mg/Kg-dry	274583	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**			
Benz(a)anthracene	0.78		0.19	0.42	mg/Kg-dry	274604	1
Benzo(a)pyrene	0.84		0.23	0.42	mg/Kg-dry	274604	1
Benzo(b)fluoranthene	1.2		0.20	0.42	mg/Kg-dry	274604	1
Benzo(k)fluoranthene	0.53		0.23	0.42	mg/Kg-dry	274604	1
Chrysene	0.87		0.23	0.42	mg/Kg-dry	274604	1
Fluoranthene	1.9		0.048	0.42	mg/Kg-dry	274604	1
Indeno(1,2,3-cd)pyrene	0.47		0.22	0.42	mg/Kg-dry	274604	1
Naphthalene	0.74		0.049	0.42	mg/Kg-dry	274604	1
Phenanthrene	2.2		0.039	0.42	mg/Kg-dry	274604	1
Pyrene	1.5		0.20	0.42	mg/Kg-dry	274604	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	14000		11.2	204	mg/Kg-dry	274516	20
Barium	398		0.0261	5.10	mg/Kg-dry	274516	10
Chromium	104		0.236	10.2	mg/Kg-dry	274516	10
Cobalt	46.4		0.0387	2.55	mg/Kg-dry	274516	10
Copper	43.0		0.101	1.02	mg/Kg-dry	274516	10
Lead	46.9		0.0479	0.51	mg/Kg-dry	274516	10
Nickel	62.3		0.0230	2.55	mg/Kg-dry	274516	10
Vanadium	159		0.167	2.55	mg/Kg-dry	274516	10
Zinc	252		0.250	5.10	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	20.9		0	0	wt%	R391252	1
Client Sample ID: TMW-17-(14-15')				**Lab ID:** 1902D90-002			
Collection Date: 2/13/2019 12:55:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	23900		9.01	164	mg/Kg-dry	274516	20
Barium	257		0.0210	4.10	mg/Kg-dry	274516	10
Chromium	64.5		0.190	8.21	mg/Kg-dry	274516	10
Cobalt	25.8		0.0311	2.05	mg/Kg-dry	274516	10
Copper	16.2		0.0809	0.82	mg/Kg-dry	274516	10
Lead	17.5		0.0385	0.41	mg/Kg-dry	274516	10
Nickel	42.0		0.0185	2.05	mg/Kg-dry	274516	10
Vanadium	81.6		0.135	2.05	mg/Kg-dry	274516	10
Zinc	162		0.201	4.10	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	16.6		0	0	wt%	R391252	1
Client Sample ID: TMW-18-(4-5')				**Lab ID:** 1902D90-003			
Collection Date: 2/13/2019 2:40:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	16500		11.2	203	mg/Kg-dry	274516	20
Barium	107		0.0260	5.08	mg/Kg-dry	274516	10
Chromium	48.6		0.235	10.2	mg/Kg-dry	274516	10

Analytical Environmental Services, Inc

Date: 21-Feb-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-18-(4-5')				**Lab ID:** 1902D90-003			
Collection Date: 2/13/2019 2:40:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Cobalt	34.1		0.0385	2.54	mg/Kg-dry	274516	10
Copper	57.5		0.100	1.02	mg/Kg-dry	274516	10
Lead	12.6		0.0477	0.51	mg/Kg-dry	274516	10
Nickel	39.3		0.0229	2.54	mg/Kg-dry	274516	10
Vanadium	80.7		0.167	2.54	mg/Kg-dry	274516	10
Zinc	137		0.249	5.08	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	12.7		0	0	wt%	R391252	1
Client Sample ID: TMW-18-(14-15')				**Lab ID:** 1902D90-004			
Collection Date: 2/13/2019 2:55:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	13800		9.53	174	mg/Kg-dry	274516	20
Barium	162		0.0222	4.34	mg/Kg-dry	274516	10
Chromium	47.8		0.200	8.68	mg/Kg-dry	274516	10
Cobalt	56.0		0.0329	2.17	mg/Kg-dry	274516	10
Copper	132		0.0856	0.87	mg/Kg-dry	274516	10
Lead	33.6		0.0407	0.43	mg/Kg-dry	274516	10
Nickel	35.3		0.0195	2.17	mg/Kg-dry	274516	10
Vanadium	111		0.142	2.17	mg/Kg-dry	274516	10
Zinc	126		0.213	4.34	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	17.2		0	0	wt%	R391252	1
Client Sample ID: TMW-19-(4-5')				**Lab ID:** 1902D90-005			
Collection Date: 2/13/2019 4:00:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	26400		11.2	203	mg/Kg-dry	274516	20
Barium	227		0.0260	5.08	mg/Kg-dry	274516	10
Chromium	45.4		0.235	10.2	mg/Kg-dry	274516	10
Cobalt	28.0		0.0385	2.54	mg/Kg-dry	274516	10
Copper	2.68		0.100	1.02	mg/Kg-dry	274516	10
Lead	12.1		0.0476	0.51	mg/Kg-dry	274516	10
Nickel	35.0		0.0228	2.54	mg/Kg-dry	274516	10
Vanadium	62.7		0.167	2.54	mg/Kg-dry	274516	10
Zinc	104		0.249	5.08	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	7.64		0	0	wt%	R391252	1
Client Sample ID: TMW-19-(14-15')				**Lab ID:** 1902D90-006			
Collection Date: 2/13/2019 4:15:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	25200		5.67	103	mg/Kg-dry	274516	10
Barium	265		0.0265	5.17	mg/Kg-dry	274516	10
Chromium	48.0		0.239	10.3	mg/Kg-dry	274516	10
Cobalt	17.1		0.0392	2.58	mg/Kg-dry	274516	10
Copper	1.40		0.102	1.03	mg/Kg-dry	274516	10

Analytical Environmental Services, Inc

Date: 21-Feb-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-19-(14-15')				**Lab ID:** 1902D90-006			
Collection Date: 2/13/2019 4:15:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Lead	12.4		0.0485	0.52	mg/Kg-dry	274516	10
Nickel	30.1		0.0233	2.58	mg/Kg-dry	274516	10
Vanadium	63.1		0.169	2.58	mg/Kg-dry	274516	10
Zinc	114		0.253	5.17	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	14.6		0	0	wt%	R391252	1
Client Sample ID: TMW-20-(0-2')				**Lab ID:** 1902D90-007			
Collection Date: 2/14/2019 1:00:00 PM				**Matrix:** Soil			
Total Mercury by SW7473				**(SW7473)**			
Mercury	0.122		0.0162	0.114	mg/Kg-dry	274583	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**			
Anthracene	0.59		0.038	0.37	mg/Kg-dry	274604	1
Benz(a)anthracene	0.45		0.17	0.37	mg/Kg-dry	274604	1
Benzo(a)pyrene	0.67		0.20	0.37	mg/Kg-dry	274604	1
Benzo(b)fluoranthene	1.3		0.18	0.37	mg/Kg-dry	274604	1
Benzo(k)fluoranthene	0.49		0.21	0.37	mg/Kg-dry	274604	1
Chrysene	0.50		0.21	0.37	mg/Kg-dry	274604	1
Fluoranthene	0.71		0.044	0.37	mg/Kg-dry	274604	1
Indeno(1,2,3-cd)pyrene	0.57		0.20	0.37	mg/Kg-dry	274604	1
Pyrene	0.75		0.18	0.37	mg/Kg-dry	274604	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	10900		4.51	82.2	mg/Kg-dry	274516	10
Barium	63.3		0.0210	4.11	mg/Kg-dry	274516	10
Chromium	32.9		0.190	8.22	mg/Kg-dry	274516	10
Cobalt	5.93		0.0312	2.06	mg/Kg-dry	274516	10
Copper	25.2		0.0811	0.82	mg/Kg-dry	274516	10
Lead	53.4		0.0386	0.41	mg/Kg-dry	274516	10
Nickel	8.96		0.0185	2.06	mg/Kg-dry	274516	10
Vanadium	39.1		0.135	2.06	mg/Kg-dry	274516	10
Zinc	81.6		0.201	4.11	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	11.9		0	0	wt%	R391252	1
Client Sample ID: TMW-21-(0-2')				**Lab ID:** 1902D90-008			
Collection Date: 2/14/2019 1:15:00 PM				**Matrix:** Soil			
Total Mercury by SW7473				**(SW7473)**			
Mercury	0.152		0.0171	0.120	mg/Kg-dry	274583	1
Metals by ICP/MS SW6020B				**(SW3050B)**			
Aluminum	19900		4.88	88.9	mg/Kg-dry	274516	10
Barium	91.2		0.0228	4.45	mg/Kg-dry	274516	10
Chromium	37.2		0.205	8.89	mg/Kg-dry	274516	10
Cobalt	5.93		0.0337	2.22	mg/Kg-dry	274516	10
Copper	21.1		0.0877	0.89	mg/Kg-dry	274516	10
Lead	68.5		0.0417	0.44	mg/Kg-dry	274516	10
Nickel	9.38		0.0200	2.22	mg/Kg-dry	274516	10

Analytical Environmental Services, Inc

Date: 21-Feb-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: TMW-21-(0-2')				**Lab ID:** 1902D90-008			
Collection Date: 2/14/2019 1:15:00 PM				**Matrix:** Soil			
Metals by ICP/MS SW6020B				**(SW3050B)**			
Vanadium	61.6		0.146	2.22	mg/Kg-dry	274516	10
Zinc	66.4		0.218	4.45	mg/Kg-dry	274516	10
PERCENT MOISTURE D2216							
Percent Moisture	16.4		0	0	wt%	R391252	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274515

Sample ID: **MB-274515** Client ID: Units: **ug/L** Prep Date: **02/14/2019** Run No: **391115**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274515** Analysis Date: **02/14/2019** Seq No: **8754429**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	52.31	0	50.00		105	64	125				
Surr: Dibromofluoromethane	51.31	0	50.00		103	76.4	125				
Surr: Toluene-d8	51.58	0	50.00		103	78.3	116				

Sample ID: **LCS-274515** Client ID: Units: **ug/L** Prep Date: **02/14/2019** Run No: **391115**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274515** Analysis Date: **02/14/2019** Seq No: **8754428**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.82	5.0	50.00		110	69.2	141				
Benzene	54.12	5.0	50.00		108	72.3	126				
Toluene	53.88	5.0	50.00		108	70.5	128				
Trichloroethene	55.41	5.0	50.00		111	70.3	133				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274515

Sample ID: **LCS-274515** Client ID: Units: **ug/L** Prep Date: **02/14/2019** Run No: **391115**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274515** Analysis Date: **02/14/2019** Seq No: **8754428**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	52.45	0	50.00		105	64	125				
Surr: Dibromofluoromethane	52.17	0	50.00		104	76.4	125				
Surr: Toluene-d8	52.46	0	50.00		105	78.3	116				

Sample ID: **1902D17-001AMS** Client ID: Units: **ug/L** Prep Date: **02/14/2019** Run No: **391115**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274515** Analysis Date: **02/14/2019** Seq No: **8754431**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2326	250	2500		93.0	63.8	146				
Benzene	2702	250	2500	204.5	99.9	70.2	137				
Toluene	9315	250	2500	6832	99.3	67	141				
Trichloroethene	2434	250	2500		97.3	69.3	141				
Surr: 4-Bromofluorobenzene	2696	0	2500		108	64	125				
Surr: Dibromofluoromethane	2693	0	2500		108	76.4	125				
Surr: Toluene-d8	2642	0	2500		106	78.3	116				

Sample ID: **1902D17-001AMSD** Client ID: Units: **ug/L** Prep Date: **02/14/2019** Run No: **391115**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274515** Analysis Date: **02/14/2019** Seq No: **8754432**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2224	250	2500		89.0	63.8	146	2326	4.46	20.8	
Benzene	2640	250	2500	204.5	97.4	70.2	137	2702	2.32	20	
Toluene	9049	250	2500	6832	88.7	67	141	9315	2.90	20	
Trichloroethene	2431	250	2500		97.2	69.3	141	2434	0.103	17.9	
Surr: 4-Bromofluorobenzene	2661	0	2500		106	64	125	2696	0	0	
Surr: Dibromofluoromethane	2690	0	2500		108	76.4	125	2693	0	0	
Surr: Toluene-d8	2623	0	2500		105	78.3	116	2642	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274516

Sample ID: **MB-274516** Client ID: Units: **ug/Kg** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/15/2019** Seq No: **8755065**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	1250									
Barium	BRL	2500									
Cadmium	BRL	500									
Chromium	BRL	1000									
Cobalt	BRL	750									
Copper	BRL	500									
Lead	BRL	500									
Nickel	BRL	1000									
Selenium	BRL	2500									
Vanadium	BRL	1000									
Zinc	BRL	2500									

Sample ID: **MB-274516** Client ID: Units: **ug/Kg** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/18/2019** Seq No: **8757352**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	10000									

Sample ID: **LCS-274516** Client ID: Units: **ug/Kg** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/15/2019** Seq No: **8755066**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	118300	10000	100000		118	80	120				
Arsenic	11280	1250	10000		113	80	120				
Barium	10680	2500	10000		107	80	120				
Cadmium	10980	500	10000		110	80	120				
Chromium	11350	1000	10000		113	80	120				
Cobalt	11640	750	10000		116	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274516

Sample ID: **LCS-274516** Client ID: Units: **ug/Kg** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/15/2019** Seq No: **8755066**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	11170	1000	10000	511.8	107	80	120				
Lead	11810	500	10000		118	80	120				
Nickel	11930	1000	10000	32.26	119	80	120				
Selenium	11310	2500	10000		113	80	120				
Vanadium	11510	1000	10000		115	80	120				
Zinc	10480	2500	10000	406.8	101	80	120				

Sample ID: **1902D90-003CMS** Client ID: **TMW-18-(4-5')** Units: **mg/Kg-dry** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/15/2019** Seq No: **8755068**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	11.59	1.27	10.19	0.8016	106	75	125				
Barium	121.6	2.55	10.19	106.8	145	75	125				S
Cadmium	10.24	0.51	10.19	0.05222	100.0	75	125				
Chromium	68.27	1.02	10.19	48.61	193	75	125				S
Cobalt	49.54	0.76	10.19	34.06	152	75	125				S
Copper	78.92	1.02	10.19	57.54	210	75	125				S
Lead	24.11	0.51	10.19	12.64	113	75	125				
Nickel	64.90	1.02	10.19	39.31	251	75	125				S
Selenium	5.793	2.55	10.19		56.9	75	125				S
Vanadium	106.2	1.02	10.19	80.72	250	75	125				S
Zinc	156.9	2.55	10.19	136.7	199	75	125				S

Sample ID: **1902D90-003CMS** Client ID: **TMW-18-(4-5')** Units: **mg/Kg-dry** Prep Date: **02/15/2019** Run No: **391223**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **274516** Analysis Date: **02/19/2019** Seq No: **8759677**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	16280	20.4	101.9	16480	-199	75	125				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274516

Sample ID: **1902D90-003CMSD**	Client ID: **TMW-18-(4-5')**				Units: **mg/Kg-dry**	Prep Date: **02/15/2019**	Run No: **391223**
SampleType: **MSD**	TestCode: **Metals by ICP/MS SW6020B**				BatchID: **274516**	Analysis Date: **02/15/2019**	Seq No: **8755069**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	10.74	1.28	10.21	0.8016	97.3	75	125	11.59	7.62	20	
Barium	126.7	2.55	10.21	106.8	195	75	125	121.6	4.13	20	S
Cadmium	9.638	0.51	10.21	0.05222	93.9	75	125	10.24	6.03	20	
Chromium	81.55	1.02	10.21	48.61	323	75	125	68.27	17.7	20	S
Cobalt	52.48	0.77	10.21	34.06	181	75	125	49.54	5.77	20	S
Copper	71.70	1.02	10.21	57.54	139	75	125	78.92	9.59	20	S
Lead	22.95	0.51	10.21	12.64	101	75	125	24.11	4.95	20	
Nickel	70.52	1.02	10.21	39.31	306	75	125	64.90	8.31	20	S
Selenium	5.219	2.55	10.21		51.1	75	125	5.793	10.4	20	S
Vanadium	105.0	1.02	10.21	80.72	238	75	125	106.2	1.10	20	S
Zinc	172.9	2.55	10.21	136.7	355	75	125	156.9	9.66	20	S

Sample ID: **1902D90-003CMSD**	Client ID: **TMW-18-(4-5')**				Units: **mg/Kg-dry**	Prep Date: **02/15/2019**	Run No: **391223**
SampleType: **MSD**	TestCode: **Metals by ICP/MS SW6020B**				BatchID: **274516**	Analysis Date: **02/19/2019**	Seq No: **8759681**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	17660	20.4	102.1	16480	1160	75	125	16280	8.15	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274583

Sample ID: **MB-274583**	Client ID:				Units: **mg/Kg**		Prep Date: **02/18/2019**		Run No: **391284**
SampleType: **MBLK**	TestCode: **Total Mercury by SW7473**				BatchID: **274583**		Analysis Date: **02/18/2019**		Seq No: **8756139**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-274583**	Client ID:				Units: **mg/Kg**		Prep Date: **02/18/2019**		Run No: **391284**
SampleType: **LCS**	TestCode: **Total Mercury by SW7473**				BatchID: **274583**		Analysis Date: **02/18/2019**		Seq No: **8756140**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.9291	0.100	1.000	0.01880	91.0	80	120				

Sample ID: **1902B39-001AMS**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **02/18/2019**		Run No: **391284**
SampleType: **MS**	TestCode: **Total Mercury by SW7473**				BatchID: **274583**		Analysis Date: **02/18/2019**		Seq No: **8756142**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	1.294	0.132	1.222	0.03043	103	80	120				

Sample ID: **1902B39-001AMSD**	Client ID:				Units: **mg/Kg-dry**		Prep Date: **02/18/2019**		Run No: **391284**
SampleType: **MSD**	TestCode: **Total Mercury by SW7473**				BatchID: **274583**		Analysis Date: **02/18/2019**		Seq No: **8756143**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	1.269	0.132	1.262	0.03043	98.1	80	120	1.294	1.92	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274604

Sample ID: **MB-274604** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391370**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759808**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274604

Sample ID: **MB-274604** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391370**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759808**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2062	0	3333		61.9	45.6	120				
Surr: 2-Fluorobiphenyl	1240	0	1667		74.4	51.4	120				
Surr: 2-Fluorophenol	2474	0	3333		74.2	40.9	120				
Surr: 4-Terphenyl-d14	1529	0	1667		91.7	52.2	129				
Surr: Nitrobenzene-d5	1334	0	1667		80.1	40	120				
Surr: Phenol-d5	2721	0	3333		81.6	45	120				

Sample ID: **LCS-274604** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391413**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759310**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2684	330	3333		80.5	58.4	120				
4-Chloro-3-methylphenol	2883	330	3333		86.5	62.7	120				
Acenaphthene	2857	330	3333		85.7	59.5	120				
Pentachlorophenol	3171	1700	3333		95.1	43.1	120				
Phenol	2723	330	3333		81.7	52	120				
Pyrene	3417	330	3333		103	63.2	126				
Surr: 2,4,6-Tribromophenol	3181	0	3333		95.4	45.6	120				
Surr: 2-Fluorobiphenyl	1362	0	1667		81.7	51.4	120				
Surr: 2-Fluorophenol	2663	0	3333		79.9	40.9	120				
Surr: 4-Terphenyl-d14	1602	0	1667		96.1	52.2	129				
Surr: Nitrobenzene-d5	1305	0	1667		78.3	40	120				
Surr: Phenol-d5	2713	0	3333		81.4	45	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274604

Sample ID: **1902D16-003BMS** Client ID:
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391370**
BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759812**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.647	0.34	3.474		76.2	43.4	120				
4-Chloro-3-methylphenol	2.740	0.34	3.474		78.9	47.5	120				
Acenaphthene	2.328	0.34	3.474		67.0	47	120				
Pentachlorophenol	BRL	1.8	3.474		28.7	40.6	120				S
Phenol	2.478	0.34	3.474		71.3	40.2	120				
Pyrene	2.904	0.34	3.474		83.6	45.6	120				
Surr: 2,4,6-Tribromophenol	2.114	0	3.474		60.8	45.6	120				
Surr: 2-Fluorobiphenyl	1.194	0	1.737		68.7	51.4	120				
Surr: 2-Fluorophenol	2.405	0	3.474		69.2	40.9	120				
Surr: 4-Terphenyl-d14	1.358	0	1.737		78.2	52.2	129				
Surr: Nitrobenzene-d5	1.258	0	1.737		72.4	40	120				
Surr: Phenol-d5	2.724	0	3.474		78.4	45	120				

Sample ID: **1902D16-003BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391370**
BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759813**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.431	0.34	3.474		70.0	43.4	120	2.647	8.54	29.9	
4-Chloro-3-methylphenol	2.498	0.34	3.474		71.9	47.5	120	2.740	9.25	27.7	
Acenaphthene	2.054	0.34	3.474		59.1	47	120	2.328	12.5	25.1	
Pentachlorophenol	BRL	1.8	3.474		24.0	40.6	120	0.9977	0	30.9	S
Phenol	2.279	0.34	3.474		65.6	40.2	120	2.478	8.40	29.2	
Pyrene	2.558	0.34	3.474		73.6	45.6	120	2.904	12.7	29.2	
Surr: 2,4,6-Tribromophenol	1.767	0	3.474		50.9	45.6	120	2.114	0	0	
Surr: 2-Fluorobiphenyl	1.029	0	1.737		59.2	51.4	120	1.194	0	0	
Surr: 2-Fluorophenol	2.164	0	3.474		62.3	40.9	120	2.405	0	0	
Surr: 4-Terphenyl-d14	1.171	0	1.737		67.4	52.2	129	1.358	0	0	
Surr: Nitrobenzene-d5	1.121	0	1.737		64.6	40	120	1.258	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274604

Sample ID: **1902D16-003BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391370**
BatchID: **274604** Analysis Date: **02/19/2019** Seq No: **8759813**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2.513	0	3.474		72.4	45	120	2.724	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274681

Sample ID: **MB-274681** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391239**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/18/2019** Seq No: **8757025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	47.42	0	50.00		94.8	65.1	125				
Surr: Dibromofluoromethane	48.04	0	50.00		96.1	77.7	123				
Surr: Toluene-d8	48.80	0	50.00		97.6	83.2	120				

Sample ID: **LCS-274681** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391239**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/18/2019** Seq No: **8757032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.99	5.0	50.00		78.0	67.6	140				
Benzene	42.70	5.0	50.00		85.4	71.3	130				
Toluene	45.05	5.0	50.00		90.1	70.4	127				
Trichloroethene	45.11	5.0	50.00		90.2	68.6	138				
Surr: 4-Bromofluorobenzene	45.73	0	50.00		91.5	65.1	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274681

Sample ID: **LCS-274681** Client ID: Units: **ug/Kg** Prep Date: **02/18/2019** Run No: **391239**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/18/2019** Seq No: **8757032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	47.50	0	50.00		95.0	77.7	123				
Surr: Toluene-d8	48.96	0	50.00		97.9	83.2	120				

Sample ID: **1902D90-002AMS** Client ID: **TMW-17-(14-15')** Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391363**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/19/2019** Seq No: **8758271**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.08417	0.0095	0.0949		88.7	61.8	140				
Benzene	0.08320	0.0095	0.0949		87.7	69	131				
Toluene	0.08191	0.0095	0.0949		86.3	65.9	133				
Trichloroethene	0.08417	0.0095	0.0949		88.7	65.9	135				
Surr: 4-Bromofluorobenzene	0.08869	0	0.0949		93.5	65.1	125				
Surr: Dibromofluoromethane	0.09224	0	0.0949		97.2	77.7	123				
Surr: Toluene-d8	0.09410	0	0.0949		99.2	83.2	120				

Sample ID: **1902D90-001ADUP** Client ID: **TMW-17-(4-5')** Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391363**
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/19/2019** Seq No: **8758270**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.011						0	0	20	
1,1-Dichloroethene	BRL	0.011						0	0	20	
1,2,4-Trimethylbenzene	BRL	0.011						0	0	20	
1,2-Dichloroethane	BRL	0.011						0	0	20	
1,3,5-Trimethylbenzene	BRL	0.011						0	0	20	
2-Butanone	BRL	0.11						0	0	20	
Acetone	BRL	0.21						0	0	20	
Benzene	BRL	0.011						0	0	20	
Ethylbenzene	BRL	0.011						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1902D90

ANALYTICAL QC SUMMARY REPORT

BatchID: 274681

Sample ID: **1902D90-001ADUP** Client ID: **TMW-17-(4-5')** Units: **mg/Kg-dry** Prep Date: **02/18/2019** Run No: **391363**
SampleType: **DUP** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **274681** Analysis Date: **02/19/2019** Seq No: **8758270**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
m,p-Xylene	BRL	0.011						0	0	20	
o-Xylene	BRL	0.011						0	0	20	
Styrene	BRL	0.011						0	0	20	
Tetrachloroethene	BRL	0.011						0	0	20	
Toluene	BRL	0.011						0	0	20	
Trichloroethene	BRL	0.011						0	0	20	
Surr: 4-Bromofluorobenzene	0.09820	0						0.1055	0	0	
Surr: Dibromofluoromethane	0.1011	0						0.1136	0	0	
Surr: Toluene-d8	0.1035	0						0.1066	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 30, 2019

Kenneth C. Summerour
Envirorisk Consultants

601 S. Madison Ave
Monroe GA 30655

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1904O14

Analytical Environmental Services, Inc. received 22 samples on 4/23/2019 1:30:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1904014

Date: 4/23/19 Page 1 of 2

COMPANY:	ADDRESS:
Environmental Consultants, Inc.	533 S. Madison Ave Monroe, GA 30655
PHONE: 678-635-7360	EMAIL: JChappell@eciatlinc.com
SAMPLED BY: Jason P. Chappell	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260 *	8270 *	TOTAL METALS *	DISSOLVED METALS	REMARKS	Number of Containers
							PRESERVATION (see codes)					
1	TMW-19	4/18/19	1100	✓		GW	✓	✓	✓			5
2	TMW-17		1220	✓		GW	✓	✓	✓			5
3	TMW-18		1325	✓		GW	✓	✓	✓			5
4	TMW-20		1510	✓		GW	✓	✓	✓			5
5	TMW-21		1630	✓		GW	✓	✓	✓	✓		6
6	TMW-22	4/22/19	935	✓		GW	✓	✓	✓	✓		6
7	TMW-23		1030	✓		GW	✓	✓	✓			5
8	TMW-24		1120	✓		GW	✓	✓	✓			5
9	TMW-25		1225	✓		GW	✓	✓	✓			5
10	TMW-26		1355	✓		GW	✓	✓	✓			5
11	TMW-30		1500	✓		GW	✓	✓	✓	✓		6
12	TMW-27		1540	✓		GW	✓	✓	✓			5
13	TMW-28		1635	✓		GW	✓	✓	✓			5
14	TMW-31	4/23/19	920	✓		GW	✓	✓	✓			5

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	1330 4/23/19	1. Brandi Chan	4-23-19 1330
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
* Site Specific List

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: WC MEREDITH
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: Ken Summerour
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1904014

Date: 4/23/19 Page 2 of 2

COMPANY: ENVIRORISK CONSULTANTS, INC.
ADDRESS: 533 S. MADISON AVE MONROE, GA 30655
PHONE: 678-635-7360
EMAIL: jchappell@eriskinc.com
SAMPLED BY: JASON P. CHAPPELL
SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260*	8270*	TOTAL METALS*	REMARKS	Number of Containers
1	TMW-32	4/23/19	1000	✓		GW	✓	✓	✓		5
2	TMW-33		1105	✓		GW	✓	✓	✓		5
3	TMW-29		1205	✓		GW	✓	✓	✓		5
4	Dup-1	4/22/19	—	✓		GW	✓	✓	✓		5
5	Trip Blank x4	—	—	—		—	✓				2
6											
7											
8											
9											
10											
11											
12											
13											
14											

PRESERVATION (see codes)

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	1330 4/23/19	1. Brush Chow	4-23-19 1330
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
* - Site Specific List

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
(client) FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: WC MEREDITH
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: Ken Sammerour
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19
Project Name	WC Meredith	**Collection Date:**	4/18/2019 11:00:00 AM
Lab ID:	1904O14-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 16:42	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 16:42	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 16:42	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 16:42	JE
Surr: 4-Bromofluorobenzene	105	64-125		%REC	278306	1	04/26/2019 16:42	JE
Surr: Dibromofluoromethane	102	76.4-125		%REC	278306	1	04/26/2019 16:42	JE
Surr: Toluene-d8	102	78.3-116		%REC	278306	1	04/26/2019 16:42	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.580	0.0500		mg/L	277998	1	04/25/2019 18:25	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Barium	0.203	0.0100		mg/L	277998	1	04/25/2019 18:25	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 18:25	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Cobalt	0.0791	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 18:25	KT
Lead	BRL	0.00100		mg/L	277998	1	04/25/2019 18:25	KT
Nickel	0.00668	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:25	KT
Zinc	0.0284	0.0100		mg/L	277998	1	04/25/2019 18:25	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 16:21	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-19
Project Name	WC Meredith	**Collection Date:**	4/18/2019 11:00:00 AM
Lab ID:	1904O14-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 16:21	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 16:21	YH
Surr: 2,4,6-Tribromophenol	105	47-127		%REC	277968	1	04/24/2019 16:21	YH
Surr: 2-Fluorobiphenyl	92.2	47.4-119		%REC	277968	1	04/24/2019 16:21	YH
Surr: 2-Fluorophenol	66.4	26.2-120		%REC	277968	1	04/24/2019 16:21	YH
Surr: 4-Terphenyl-d14	68.3	45-133		%REC	277968	1	04/24/2019 16:21	YH
Surr: Nitrobenzene-d5	85.2	41.9-121		%REC	277968	1	04/24/2019 16:21	YH
Surr: Phenol-d5	45.6	17.8-120		%REC	277968	1	04/24/2019 16:21	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 16:43	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17
Project Name	WC Meredith	**Collection Date:**	4/18/2019 12:20:00 PM
Lab ID:	1904O14-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 17:07	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 17:07	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 17:07	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:07	JE
Surr: 4-Bromofluorobenzene	100	64-125		%REC	278306	1	04/26/2019 17:07	JE
Surr: Dibromofluoromethane	94.9	76.4-125		%REC	278306	1	04/26/2019 17:07	JE
Surr: Toluene-d8	102	78.3-116		%REC	278306	1	04/26/2019 17:07	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.0832	0.0500		mg/L	277998	1	04/25/2019 18:42	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Barium	0.0517	0.0100		mg/L	277998	1	04/25/2019 18:42	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 18:42	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Cobalt	0.0505	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 18:42	KT
Lead	BRL	0.00100		mg/L	277998	1	04/25/2019 18:42	KT
Nickel	0.00986	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:42	KT
Zinc	0.0677	0.0100		mg/L	277998	1	04/25/2019 18:42	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 17:38	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-17
Project Name	WC Meredith	**Collection Date:**	4/18/2019 12:20:00 PM
Lab ID:	1904O14-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 17:38	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 17:38	YH
Surr: 2,4,6-Tribromophenol	108	47-127		%REC	277968	1	04/24/2019 17:38	YH
Surr: 2-Fluorobiphenyl	91.2	47.4-119		%REC	277968	1	04/24/2019 17:38	YH
Surr: 2-Fluorophenol	43.2	26.2-120		%REC	277968	1	04/24/2019 17:38	YH
Surr: 4-Terphenyl-d14	58.8	45-133		%REC	277968	1	04/24/2019 17:38	YH
Surr: Nitrobenzene-d5	86.7	41.9-121		%REC	277968	1	04/24/2019 17:38	YH
Surr: Phenol-d5	24.9	17.8-120		%REC	277968	1	04/24/2019 17:38	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 16:47	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18
Project Name	WC Meredith	**Collection Date:**	4/18/2019 1:25:00 PM
Lab ID:	1904O14-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 17:31	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 17:31	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 17:31	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:31	JE
Surr: 4-Bromofluorobenzene	104	64-125		%REC	278306	1	04/26/2019 17:31	JE
Surr: Dibromofluoromethane	101	76.4-125		%REC	278306	1	04/26/2019 17:31	JE
Surr: Toluene-d8	103	78.3-116		%REC	278306	1	04/26/2019 17:31	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	BRL	0.0500		mg/L	277998	1	04/25/2019 18:45	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Barium	0.132	0.0100		mg/L	277998	1	04/25/2019 18:45	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 18:45	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Cobalt	0.188	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Copper	0.00341	0.00200		mg/L	277998	1	04/25/2019 18:45	KT
Lead	BRL	0.00100		mg/L	277998	1	04/25/2019 18:45	KT
Nickel	0.0510	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:45	KT
Zinc	0.0128	0.0100		mg/L	277998	1	04/25/2019 18:45	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 18:04	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-18
Project Name	WC Meredith	**Collection Date:**	4/18/2019 1:25:00 PM
Lab ID:	1904O14-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 18:04	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:04	YH
Surr: 2,4,6-Tribromophenol	103	47-127		%REC	277968	1	04/24/2019 18:04	YH
Surr: 2-Fluorobiphenyl	88.3	47.4-119		%REC	277968	1	04/24/2019 18:04	YH
Surr: 2-Fluorophenol	39.2	26.2-120		%REC	277968	1	04/24/2019 18:04	YH
Surr: 4-Terphenyl-d14	41.7	45-133	S	%REC	277968	1	04/24/2019 18:04	YH
Surr: Nitrobenzene-d5	83.4	41.9-121		%REC	277968	1	04/24/2019 18:04	YH
Surr: Phenol-d5	24	17.8-120		%REC	277968	1	04/24/2019 18:04	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 16:51	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-20
Project Name	WC Meredith	**Collection Date:**	4/18/2019 3:10:00 PM
Lab ID:	1904O14-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 17:56	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 17:56	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 17:56	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 17:56	JE
Surr: 4-Bromofluorobenzene	98.2	64-125		%REC	278306	1	04/26/2019 17:56	JE
Surr: Dibromofluoromethane	94.3	76.4-125		%REC	278306	1	04/26/2019 17:56	JE
Surr: Toluene-d8	101	78.3-116		%REC	278306	1	04/26/2019 17:56	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.152	0.0500		mg/L	277998	1	04/25/2019 18:48	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Barium	0.0833	0.0100		mg/L	277998	1	04/25/2019 18:48	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 18:48	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Cobalt	0.0792	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 18:48	KT
Lead	BRL	0.00100		mg/L	277998	1	04/25/2019 18:48	KT
Nickel	0.0108	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 18:48	KT
Zinc	BRL	0.0100		mg/L	277998	1	04/25/2019 18:48	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 18:30	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-20
Project Name	WC Meredith	**Collection Date:**	4/18/2019 3:10:00 PM
Lab ID:	1904O14-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 18:30	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:30	YH
Surr: 2,4,6-Tribromophenol	94.7	47-127		%REC	277968	1	04/24/2019 18:30	YH
Surr: 2-Fluorobiphenyl	89.5	47.4-119		%REC	277968	1	04/24/2019 18:30	YH
Surr: 2-Fluorophenol	38.5	26.2-120		%REC	277968	1	04/24/2019 18:30	YH
Surr: 4-Terphenyl-d14	60.1	45-133		%REC	277968	1	04/24/2019 18:30	YH
Surr: Nitrobenzene-d5	81.5	41.9-121		%REC	277968	1	04/24/2019 18:30	YH
Surr: Phenol-d5	21.7	17.8-120		%REC	277968	1	04/24/2019 18:30	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 16:55	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-21
Project Name	WC Meredith	**Collection Date:**	4/18/2019 4:30:00 PM
Lab ID:	1904O14-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	2.0	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Acetone	71	50		ug/L	278306	1	04/26/2019 18:21	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 18:21	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Benzene	8.4	1.0		ug/L	278306	1	04/26/2019 18:21	JE
1,2-Dichloroethane	38	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Trichloroethene	1.7	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Toluene	12	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Tetrachloroethene	4.4	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Ethylbenzene	9.2	1.0		ug/L	278306	1	04/26/2019 18:21	JE
m,p-Xylene	19	2.0		ug/L	278306	1	04/26/2019 18:21	JE
o-Xylene	13	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 18:21	JE
1,3,5-Trimethylbenzene	5.0	1.0		ug/L	278306	1	04/26/2019 18:21	JE
1,2,4-Trimethylbenzene	13	1.0		ug/L	278306	1	04/26/2019 18:21	JE
Surr: 4-Bromofluorobenzene	106	64-125		%REC	278306	1	04/26/2019 18:21	JE
Surr: Dibromofluoromethane	102	76.4-125		%REC	278306	1	04/26/2019 18:21	JE
Surr: Toluene-d8	102	78.3-116		%REC	278306	1	04/26/2019 18:21	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	42.7	0.0500		mg/L	277998	1	04/26/2019 18:54	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Barium	0.391	0.0100		mg/L	277998	1	04/25/2019 19:02	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:02	KT
Chromium	0.0805	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Cobalt	0.0250	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Copper	0.0471	0.00200		mg/L	277998	1	04/25/2019 19:02	KT
Lead	0.155	0.00100		mg/L	277998	1	04/25/2019 19:02	KT
Nickel	0.0273	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Vanadium	0.144	0.00500		mg/L	277998	1	04/25/2019 19:02	KT
Zinc	0.0903	0.0100		mg/L	277998	1	04/25/2019 19:02	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 18:56	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
2-Methylnaphthalene	79	10		ug/L	277968	1	04/24/2019 18:56	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-21
Project Name	WC Meredith	**Collection Date:**	4/18/2019 4:30:00 PM
Lab ID:	1904O14-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Dibenzofuran	36	10		ug/L	277968	1	04/24/2019 18:56	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Naphthalene	2000	200		ug/L	277968	20	04/25/2019 17:32	YH
Pentachlorophenol	270	250		ug/L	277968	10	04/29/2019 17:01	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 18:56	YH
Surr: 2,4,6-Tribromophenol	113	47-127		%REC	277968	1	04/24/2019 18:56	YH
Surr: 2-Fluorobiphenyl	102	47.4-119		%REC	277968	1	04/24/2019 18:56	YH
Surr: 2-Fluorophenol	50.4	26.2-120		%REC	277968	1	04/24/2019 18:56	YH
Surr: 4-Terphenyl-d14	57.1	45-133		%REC	277968	1	04/24/2019 18:56	YH
Surr: Nitrobenzene-d5	101	41.9-121		%REC	277968	1	04/24/2019 18:56	YH
Surr: Phenol-d5	31	17.8-120		%REC	277968	1	04/24/2019 18:56	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 16:59	CD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278296	1	04/29/2019 16:54	CD
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	BRL	0.0500		mg/L	278213	1	04/26/2019 16:37	KP
Arsenic	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP
Barium	0.0431	0.0100		mg/L	278213	1	04/26/2019 16:37	KP
Cadmium	BRL	0.000700		mg/L	278213	1	04/26/2019 16:37	KP
Chromium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP
Cobalt	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-21
Project Name	WC Meredith	**Collection Date:**	4/18/2019 4:30:00 PM
Lab ID:	1904O14-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Copper	BRL	0.00200		mg/L	278213	1	04/26/2019 16:37	KP
Lead	BRL	0.00100		mg/L	278213	1	04/26/2019 16:37	KP
Nickel	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP
Selenium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP
Vanadium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:37	KP
Zinc	BRL	0.0100		mg/L	278213	1	04/26/2019 16:37	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22
Project Name	WC Meredith	**Collection Date:**	4/22/2019 9:35:00 AM
Lab ID:	1904O14-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 18:46	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 18:46	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 18:46	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 18:46	JE
Surr: 4-Bromofluorobenzene	99.5	64-125		%REC	278306	1	04/26/2019 18:46	JE
Surr: Dibromofluoromethane	95.7	76.4-125		%REC	278306	1	04/26/2019 18:46	JE
Surr: Toluene-d8	103	78.3-116		%REC	278306	1	04/26/2019 18:46	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1.75	0.0500		mg/L	277998	1	04/25/2019 19:05	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Barium	0.173	0.0100		mg/L	277998	1	04/25/2019 19:05	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:05	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Cobalt	0.00507	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Copper	0.00211	0.00200		mg/L	277998	1	04/25/2019 19:05	KT
Lead	0.00259	0.00100		mg/L	277998	1	04/25/2019 19:05	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Vanadium	0.00718	0.00500		mg/L	277998	1	04/25/2019 19:05	KT
Zinc	0.0382	0.0100		mg/L	277998	1	04/25/2019 19:05	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 19:21	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22
Project Name	WC Meredith	**Collection Date:**	4/22/2019 9:35:00 AM
Lab ID:	1904O14-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Acenaphthene	15	10		ug/L	277968	1	04/24/2019 19:21	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Naphthalene	21	10		ug/L	277968	1	04/24/2019 19:21	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 19:21	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:21	YH
Surr: 2,4,6-Tribromophenol	106	47-127		%REC	277968	1	04/24/2019 19:21	YH
Surr: 2-Fluorobiphenyl	95	47.4-119		%REC	277968	1	04/24/2019 19:21	YH
Surr: 2-Fluorophenol	48.3	26.2-120		%REC	277968	1	04/24/2019 19:21	YH
Surr: 4-Terphenyl-d14	57.3	45-133		%REC	277968	1	04/24/2019 19:21	YH
Surr: Nitrobenzene-d5	88.2	41.9-121		%REC	277968	1	04/24/2019 19:21	YH
Surr: Phenol-d5	28.7	17.8-120		%REC	277968	1	04/24/2019 19:21	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 17:03	CD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278296	1	04/29/2019 16:37	CD
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	BRL	0.0500		mg/L	278213	1	04/26/2019 16:39	KP
Arsenic	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP
Barium	0.141	0.0100		mg/L	278213	1	04/26/2019 16:39	KP
Cadmium	BRL	0.000700		mg/L	278213	1	04/26/2019 16:39	KP
Chromium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP
Cobalt	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22
Project Name	WC Meredith	**Collection Date:**	4/22/2019 9:35:00 AM
Lab ID:	1904O14-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Copper	BRL	0.00200		mg/L	278213	1	04/26/2019 16:39	KP
Lead	BRL	0.00100		mg/L	278213	1	04/26/2019 16:39	KP
Nickel	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP
Selenium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP
Vanadium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:39	KP
Zinc	BRL	0.0100		mg/L	278213	1	04/26/2019 16:39	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23
Project Name	WC Meredith	**Collection Date:**	4/22/2019 10:30:00 AM
Lab ID:	1904O14-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 19:11	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 19:11	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 19:11	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:11	JE
Surr: 4-Bromofluorobenzene	104	64-125		%REC	278306	1	04/26/2019 19:11	JE
Surr: Dibromofluoromethane	99.6	76.4-125		%REC	278306	1	04/26/2019 19:11	JE
Surr: Toluene-d8	102	78.3-116		%REC	278306	1	04/26/2019 19:11	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.529	0.0500		mg/L	277998	1	04/25/2019 19:08	KT
Arsenic	0.00572	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Barium	0.0765	0.0100		mg/L	277998	1	04/25/2019 19:08	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:08	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:08	KT
Lead	0.00508	0.00100		mg/L	277998	1	04/25/2019 19:08	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:08	KT
Zinc	0.0321	0.0100		mg/L	277998	1	04/25/2019 19:08	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 19:46	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23
Project Name	WC Meredith	**Collection Date:**	4/22/2019 10:30:00 AM
Lab ID:	1904O14-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	21	10		ug/L	277968	1	04/24/2019 19:46	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Naphthalene	15	10		ug/L	277968	1	04/24/2019 19:46	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 19:46	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 19:46	YH
Surr: 2,4,6-Tribromophenol	107	47-127		%REC	277968	1	04/24/2019 19:46	YH
Surr: 2-Fluorobiphenyl	97.9	47.4-119		%REC	277968	1	04/24/2019 19:46	YH
Surr: 2-Fluorophenol	53.4	26.2-120		%REC	277968	1	04/24/2019 19:46	YH
Surr: 4-Terphenyl-d14	69.2	45-133		%REC	277968	1	04/24/2019 19:46	YH
Surr: Nitrobenzene-d5	90.2	41.9-121		%REC	277968	1	04/24/2019 19:46	YH
Surr: Phenol-d5	31.5	17.8-120		%REC	277968	1	04/24/2019 19:46	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 17:07	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24
Project Name	WC Meredith	**Collection Date:**	4/22/2019 11:20:00 AM
Lab ID:	1904O14-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 19:36	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 19:36	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 19:36	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 19:36	JE
Surr: 4-Bromofluorobenzene	105	64-125		%REC	278306	1	04/26/2019 19:36	JE
Surr: Dibromofluoromethane	101	76.4-125		%REC	278306	1	04/26/2019 19:36	JE
Surr: Toluene-d8	102	78.3-116		%REC	278306	1	04/26/2019 19:36	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.288	0.0500		mg/L	277998	1	04/25/2019 19:12	KT
Arsenic	0.00816	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Barium	0.114	0.0100		mg/L	277998	1	04/25/2019 19:12	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:12	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Cobalt	0.00684	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:12	KT
Lead	0.00214	0.00100		mg/L	277998	1	04/25/2019 19:12	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:12	KT
Zinc	0.0147	0.0100		mg/L	277998	1	04/25/2019 19:12	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 20:12	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24
Project Name	WC Meredith	**Collection Date:**	4/22/2019 11:20:00 AM
Lab ID:	1904O14-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	19	10		ug/L	277968	1	04/24/2019 20:12	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 20:12	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:12	YH
Surr: 2,4,6-Tribromophenol	106	47-127		%REC	277968	1	04/24/2019 20:12	YH
Surr: 2-Fluorobiphenyl	92.2	47.4-119		%REC	277968	1	04/24/2019 20:12	YH
Surr: 2-Fluorophenol	49.1	26.2-120		%REC	277968	1	04/24/2019 20:12	YH
Surr: 4-Terphenyl-d14	54.9	45-133		%REC	277968	1	04/24/2019 20:12	YH
Surr: Nitrobenzene-d5	94.7	41.9-121		%REC	277968	1	04/24/2019 20:12	YH
Surr: Phenol-d5	30.2	17.8-120		%REC	277968	1	04/24/2019 20:12	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 17:11	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25
Project Name	WC Meredith	**Collection Date:**	4/22/2019 12:25:00 PM
Lab ID:	1904O14-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Acetone	BRL	50		ug/L	278306	1	04/29/2019 16:43	JE
2-Butanone	BRL	50		ug/L	278306	1	04/29/2019 16:43	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Benzene	5.6	1.0		ug/L	278306	1	04/29/2019 16:43	JE
1,2-Dichloroethane	3.7	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Toluene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/29/2019 16:43	JE
o-Xylene	2.2	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Styrene	BRL	1.0		ug/L	278306	1	04/29/2019 16:43	JE
1,3,5-Trimethylbenzene	1.6	1.0		ug/L	278306	1	04/29/2019 16:43	JE
1,2,4-Trimethylbenzene	5.8	1.0		ug/L	278306	1	04/29/2019 16:43	JE
Surr: 4-Bromofluorobenzene	109	64-125		%REC	278306	1	04/29/2019 16:43	JE
Surr: Dibromofluoromethane	105	76.4-125		%REC	278306	1	04/29/2019 16:43	JE
Surr: Toluene-d8	104	78.3-116		%REC	278306	1	04/29/2019 16:43	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.0916	0.0500		mg/L	277998	1	04/25/2019 19:15	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Barium	0.0705	0.0100		mg/L	277998	1	04/25/2019 19:15	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:15	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:15	KT
Lead	0.00253	0.00100		mg/L	277998	1	04/25/2019 19:15	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:15	KT
Zinc	BRL	0.0100		mg/L	277998	1	04/25/2019 19:15	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 20:38	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
2-Methylnaphthalene	27	10		ug/L	277968	1	04/24/2019 20:38	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25
Project Name	WC Meredith	**Collection Date:**	4/22/2019 12:25:00 PM
Lab ID:	1904O14-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Acenaphthene	17	10		ug/L	277968	1	04/24/2019 20:38	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Carbazole	29	10		ug/L	277968	1	04/24/2019 20:38	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Dibenzofuran	36	10		ug/L	277968	1	04/24/2019 20:38	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Fluorene	41	10		ug/L	277968	1	04/24/2019 20:38	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Naphthalene	910	100		ug/L	277968	10	04/25/2019 17:58	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 20:38	YH
Phenanthrene	15	10		ug/L	277968	1	04/24/2019 20:38	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 20:38	YH
Surr: 2,4,6-Tribromophenol	107	47-127		%REC	277968	1	04/24/2019 20:38	YH
Surr: 2-Fluorobiphenyl	98	47.4-119		%REC	277968	1	04/24/2019 20:38	YH
Surr: 2-Fluorophenol	52.7	26.2-120		%REC	277968	1	04/24/2019 20:38	YH
Surr: 4-Terphenyl-d14	56.8	45-133		%REC	277968	1	04/24/2019 20:38	YH
Surr: Nitrobenzene-d5	97	41.9-121		%REC	277968	1	04/24/2019 20:38	YH
Surr: Phenol-d5	33.4	17.8-120		%REC	277968	1	04/24/2019 20:38	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 17:14	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26
Project Name	WC Meredith	**Collection Date:**	4/22/2019 1:55:00 PM
Lab ID:	1904O14-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 20:01	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 20:01	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 20:01	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:01	JE
Surr: 4-Bromofluorobenzene	103	64-125		%REC	278306	1	04/26/2019 20:01	JE
Surr: Dibromofluoromethane	100	76.4-125		%REC	278306	1	04/26/2019 20:01	JE
Surr: Toluene-d8	104	78.3-116		%REC	278306	1	04/26/2019 20:01	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1.54	0.0500		mg/L	277998	1	04/25/2019 19:18	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Barium	0.0499	0.0100		mg/L	277998	1	04/25/2019 19:18	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:18	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Copper	0.00337	0.00200		mg/L	277998	1	04/25/2019 19:18	KT
Lead	0.00312	0.00100		mg/L	277998	1	04/25/2019 19:18	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Vanadium	0.00809	0.00500		mg/L	277998	1	04/25/2019 19:18	KT
Zinc	0.0250	0.0100		mg/L	277998	1	04/25/2019 19:18	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 21:04	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26
Project Name	WC Meredith	**Collection Date:**	4/22/2019 1:55:00 PM
Lab ID:	1904O14-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 21:04	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:04	YH
Surr: 2,4,6-Tribromophenol	107	47-127		%REC	277968	1	04/24/2019 21:04	YH
Surr: 2-Fluorobiphenyl	92.2	47.4-119		%REC	277968	1	04/24/2019 21:04	YH
Surr: 2-Fluorophenol	44.1	26.2-120		%REC	277968	1	04/24/2019 21:04	YH
Surr: 4-Terphenyl-d14	64.1	45-133		%REC	277968	1	04/24/2019 21:04	YH
Surr: Nitrobenzene-d5	84.2	41.9-121		%REC	277968	1	04/24/2019 21:04	YH
Surr: Phenol-d5	27.3	17.8-120		%REC	277968	1	04/24/2019 21:04	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278201	1	04/26/2019 17:18	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30
Project Name	WC Meredith	**Collection Date:**	4/22/2019 3:00:00 PM
Lab ID:	1904O14-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 20:26	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 20:26	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 20:26	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:26	JE
Surr: 4-Bromofluorobenzene	103	64-125		%REC	278306	1	04/26/2019 20:26	JE
Surr: Dibromofluoromethane	102	76.4-125		%REC	278306	1	04/26/2019 20:26	JE
Surr: Toluene-d8	106	78.3-116		%REC	278306	1	04/26/2019 20:26	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	3.07	0.0500		mg/L	277998	1	04/25/2019 19:22	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Barium	0.0170	0.0100		mg/L	277998	1	04/25/2019 19:22	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:22	KT
Chromium	0.00571	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Copper	0.00411	0.00200		mg/L	277998	1	04/25/2019 19:22	KT
Lead	0.00808	0.00100		mg/L	277998	1	04/25/2019 19:22	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Vanadium	0.0147	0.00500		mg/L	277998	1	04/25/2019 19:22	KT
Zinc	0.0125	0.0100		mg/L	277998	1	04/25/2019 19:22	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 21:58	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30
Project Name	WC Meredith	**Collection Date:**	4/22/2019 3:00:00 PM
Lab ID:	1904O14-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 21:58	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 21:58	YH
Surr: 2,4,6-Tribromophenol	111	47-127		%REC	277968	1	04/24/2019 21:58	YH
Surr: 2-Fluorobiphenyl	92	47.4-119		%REC	277968	1	04/24/2019 21:58	YH
Surr: 2-Fluorophenol	36.3	26.2-120		%REC	277968	1	04/24/2019 21:58	YH
Surr: 4-Terphenyl-d14	67	45-133		%REC	277968	1	04/24/2019 21:58	YH
Surr: Nitrobenzene-d5	83.4	41.9-121		%REC	277968	1	04/24/2019 21:58	YH
Surr: Phenol-d5	22.8	17.8-120		%REC	277968	1	04/24/2019 21:58	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 15:46	CD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278296	1	04/29/2019 16:57	CD
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	BRL	0.0500		mg/L	278213	1	04/26/2019 16:53	KP
Arsenic	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP
Barium	BRL	0.0100		mg/L	278213	1	04/26/2019 16:53	KP
Cadmium	BRL	0.000700		mg/L	278213	1	04/26/2019 16:53	KP
Chromium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP
Cobalt	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30
Project Name	WC Meredith	**Collection Date:**	4/22/2019 3:00:00 PM
Lab ID:	1904O14-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**				
Copper	BRL	0.00200		mg/L	278213	1	04/26/2019 16:53	KP
Lead	0.00164	0.00100		mg/L	278213	1	04/26/2019 16:53	KP
Nickel	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP
Selenium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP
Vanadium	BRL	0.00500		mg/L	278213	1	04/26/2019 16:53	KP
Zinc	BRL	0.0100		mg/L	278213	1	04/26/2019 16:53	KP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27
Project Name	WC Meredith	**Collection Date:**	4/22/2019 3:40:00 PM
Lab ID:	1904O14-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 20:51	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 20:51	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 20:51	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 20:51	JE
Surr: 4-Bromofluorobenzene	102	64-125		%REC	278306	1	04/26/2019 20:51	JE
Surr: Dibromofluoromethane	102	76.4-125		%REC	278306	1	04/26/2019 20:51	JE
Surr: Toluene-d8	106	78.3-116		%REC	278306	1	04/26/2019 20:51	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1.30	0.0500		mg/L	277998	1	04/25/2019 19:25	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Barium	0.0406	0.0100		mg/L	277998	1	04/25/2019 19:25	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:25	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Copper	0.00209	0.00200		mg/L	277998	1	04/25/2019 19:25	KT
Lead	0.00270	0.00100		mg/L	277998	1	04/25/2019 19:25	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Vanadium	0.00582	0.00500		mg/L	277998	1	04/25/2019 19:25	KT
Zinc	0.0143	0.0100		mg/L	277998	1	04/25/2019 19:25	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 22:25	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27
Project Name	WC Meredith	**Collection Date:**	4/22/2019 3:40:00 PM
Lab ID:	1904O14-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 22:25	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:25	YH
Surr: 2,4,6-Tribromophenol	117	47-127		%REC	277968	1	04/24/2019 22:25	YH
Surr: 2-Fluorobiphenyl	93	47.4-119		%REC	277968	1	04/24/2019 22:25	YH
Surr: 2-Fluorophenol	40	26.2-120		%REC	277968	1	04/24/2019 22:25	YH
Surr: 4-Terphenyl-d14	83.8	45-133		%REC	277968	1	04/24/2019 22:25	YH
Surr: Nitrobenzene-d5	83.6	41.9-121		%REC	277968	1	04/24/2019 22:25	YH
Surr: Phenol-d5	25.2	17.8-120		%REC	277968	1	04/24/2019 22:25	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 15:49	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28
Project Name	WC Meredith	**Collection Date:**	4/22/2019 4:35:00 PM
Lab ID:	1904O14-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 21:16	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 21:16	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 21:16	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:16	JE
Surr: 4-Bromofluorobenzene	102	64-125		%REC	278306	1	04/26/2019 21:16	JE
Surr: Dibromofluoromethane	99.8	76.4-125		%REC	278306	1	04/26/2019 21:16	JE
Surr: Toluene-d8	104	78.3-116		%REC	278306	1	04/26/2019 21:16	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1.43	0.0500		mg/L	277998	1	04/25/2019 19:28	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Barium	0.113	0.0100		mg/L	277998	1	04/25/2019 19:28	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:28	KT
Chromium	0.00856	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Cobalt	0.00540	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Copper	0.00287	0.00200		mg/L	277998	1	04/25/2019 19:28	KT
Lead	0.00448	0.00100		mg/L	277998	1	04/25/2019 19:28	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Vanadium	0.00739	0.00500		mg/L	277998	1	04/25/2019 19:28	KT
Zinc	0.0366	0.0100		mg/L	277998	1	04/25/2019 19:28	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
2,4-Dimethylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
2,4-Dinitrophenol	BRL	25		ug/L	277968	1	04/24/2019 22:53	YH
2-Chlorophenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
2-Methylnaphthalene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
2-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28
Project Name	WC Meredith	**Collection Date:**	4/22/2019 4:35:00 PM
Lab ID:	1904O14-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Acenaphthene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Acenaphthylene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Benz(a)anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Benzo(a)pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Benzo(b)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Benzo(k)fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Carbazole	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Chrysene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Dibenzofuran	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Fluoranthene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Fluorene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Naphthalene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Pentachlorophenol	BRL	25		ug/L	277968	1	04/24/2019 22:53	YH
Phenanthrene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Phenol	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Pyrene	BRL	10		ug/L	277968	1	04/24/2019 22:53	YH
Surr: 2,4,6-Tribromophenol	112	47-127		%REC	277968	1	04/24/2019 22:53	YH
Surr: 2-Fluorobiphenyl	86.9	47.4-119		%REC	277968	1	04/24/2019 22:53	YH
Surr: 2-Fluorophenol	40.1	26.2-120		%REC	277968	1	04/24/2019 22:53	YH
Surr: 4-Terphenyl-d14	72.5	45-133		%REC	277968	1	04/24/2019 22:53	YH
Surr: Nitrobenzene-d5	77.5	41.9-121		%REC	277968	1	04/24/2019 22:53	YH
Surr: Phenol-d5	24.9	17.8-120		%REC	277968	1	04/24/2019 22:53	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 16:07	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31
Project Name	WC Meredith	**Collection Date:**	4/23/2019 9:20:00 AM
Lab ID:	1904O14-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 21:41	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 21:41	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
1,2-Dichloroethane	1.3	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 21:41	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 21:41	JE
Surr: 4-Bromofluorobenzene	104	64-125		%REC	278306	1	04/26/2019 21:41	JE
Surr: Dibromofluoromethane	103	76.4-125		%REC	278306	1	04/26/2019 21:41	JE
Surr: Toluene-d8	105	78.3-116		%REC	278306	1	04/26/2019 21:41	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	1.86	0.0500		mg/L	277998	1	04/25/2019 19:32	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Barium	0.0333	0.0100		mg/L	277998	1	04/25/2019 19:32	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:32	KT
Chromium	0.00563	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Cobalt	0.00943	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Copper	0.00327	0.00200		mg/L	277998	1	04/25/2019 19:32	KT
Lead	0.0112	0.00100		mg/L	277998	1	04/25/2019 19:32	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Vanadium	0.00762	0.00500		mg/L	277998	1	04/25/2019 19:32	KT
Zinc	0.0320	0.0100		mg/L	277998	1	04/25/2019 19:32	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
2,4-Dimethylphenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
2,4-Dinitrophenol	BRL	25		ug/L	278022	1	04/25/2019 22:48	YH
2-Chlorophenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
2-Methylnaphthalene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
2-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31
Project Name	WC Meredith	**Collection Date:**	4/23/2019 9:20:00 AM
Lab ID:	1904O14-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Acenaphthene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Acenaphthylene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Anthracene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Benz(a)anthracene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Benzo(a)pyrene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Benzo(b)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Benzo(k)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Carbazole	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Chrysene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Dibenzofuran	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Fluorene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Naphthalene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Pentachlorophenol	BRL	25		ug/L	278022	1	04/25/2019 22:48	YH
Phenanthrene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Phenol	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Pyrene	BRL	10		ug/L	278022	1	04/25/2019 22:48	YH
Surr: 2,4,6-Tribromophenol	71.6	47-127		%REC	278022	1	04/25/2019 22:48	YH
Surr: 2-Fluorobiphenyl	73.2	47.4-119		%REC	278022	1	04/25/2019 22:48	YH
Surr: 2-Fluorophenol	37.4	26.2-120		%REC	278022	1	04/25/2019 22:48	YH
Surr: 4-Terphenyl-d14	64.9	45-133		%REC	278022	1	04/25/2019 22:48	YH
Surr: Nitrobenzene-d5	71.4	41.9-121		%REC	278022	1	04/25/2019 22:48	YH
Surr: Phenol-d5	24.6	17.8-120		%REC	278022	1	04/25/2019 22:48	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 16:10	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32
Project Name	WC Meredith	**Collection Date:**	4/23/2019 10:00:00 AM
Lab ID:	1904O14-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 22:05	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 22:05	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
1,2-Dichloroethane	2.9	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 22:05	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:05	JE
Surr: 4-Bromofluorobenzene	102	64-125		%REC	278306	1	04/26/2019 22:05	JE
Surr: Dibromofluoromethane	104	76.4-125		%REC	278306	1	04/26/2019 22:05	JE
Surr: Toluene-d8	107	78.3-116		%REC	278306	1	04/26/2019 22:05	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	3.59	0.0500		mg/L	277998	1	04/25/2019 19:45	KT
Arsenic	0.00522	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Barium	0.274	0.0100		mg/L	277998	1	04/25/2019 19:45	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:45	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Cobalt	0.0676	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:45	KT
Lead	0.00128	0.00100		mg/L	277998	1	04/25/2019 19:45	KT
Nickel	0.0243	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:45	KT
Zinc	0.200	0.0100		mg/L	277998	1	04/25/2019 19:45	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
2,4-Dimethylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
2,4-Dinitrophenol	BRL	25		ug/L	278022	1	04/25/2019 23:18	YH
2-Chlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
2-Methylnaphthalene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
2-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32
Project Name	WC Meredith	**Collection Date:**	4/23/2019 10:00:00 AM
Lab ID:	1904O14-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Acenaphthene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Acenaphthylene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Benz(a)anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Benzo(a)pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Benzo(b)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Benzo(k)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Carbazole	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Chrysene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Dibenzofuran	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Fluorene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Naphthalene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Pentachlorophenol	BRL	25		ug/L	278022	1	04/25/2019 23:18	YH
Phenanthrene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Phenol	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:18	YH
Surr: 2,4,6-Tribromophenol	85.9	47-127		%REC	278022	1	04/25/2019 23:18	YH
Surr: 2-Fluorobiphenyl	88.9	47.4-119		%REC	278022	1	04/25/2019 23:18	YH
Surr: 2-Fluorophenol	49.3	26.2-120		%REC	278022	1	04/25/2019 23:18	YH
Surr: 4-Terphenyl-d14	72.1	45-133		%REC	278022	1	04/25/2019 23:18	YH
Surr: Nitrobenzene-d5	91.6	41.9-121		%REC	278022	1	04/25/2019 23:18	YH
Surr: Phenol-d5	31.4	17.8-120		%REC	278022	1	04/25/2019 23:18	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 16:13	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33
Project Name	WC Meredith	**Collection Date:**	4/23/2019 11:05:00 AM
Lab ID:	1904O14-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 22:30	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 22:30	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 22:30	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:30	JE
Surr: 4-Bromofluorobenzene	100	64-125		%REC	278306	1	04/26/2019 22:30	JE
Surr: Dibromofluoromethane	100	76.4-125		%REC	278306	1	04/26/2019 22:30	JE
Surr: Toluene-d8	104	78.3-116		%REC	278306	1	04/26/2019 22:30	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	30.3	0.0500		mg/L	277998	1	04/25/2019 19:48	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Barium	0.0360	0.0100		mg/L	277998	1	04/25/2019 19:48	KT
Cadmium	0.00836	0.000700		mg/L	277998	1	04/25/2019 19:48	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Cobalt	0.447	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Copper	0.0273	0.00200		mg/L	277998	1	04/25/2019 19:48	KT
Lead	0.0119	0.00100		mg/L	277998	1	04/25/2019 19:48	KT
Nickel	0.0902	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Selenium	0.00518	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Vanadium	0.00814	0.00500		mg/L	277998	1	04/25/2019 19:48	KT
Zinc	0.0778	0.0100		mg/L	277998	1	04/25/2019 19:48	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
2,4-Dimethylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
2,4-Dinitrophenol	BRL	25		ug/L	278022	1	04/25/2019 23:47	YH
2-Chlorophenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
2-Methylnaphthalene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
2-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33
Project Name	WC Meredith	**Collection Date:**	4/23/2019 11:05:00 AM
Lab ID:	1904O14-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Acenaphthene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Acenaphthylene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Benz(a)anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Benzo(a)pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Benzo(b)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Carbazole	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Chrysene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Dibenzofuran	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Fluoranthene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Fluorene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Naphthalene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Pentachlorophenol	BRL	25		ug/L	278022	1	04/25/2019 23:47	YH
Phenanthrene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Phenol	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Pyrene	BRL	10		ug/L	278022	1	04/25/2019 23:47	YH
Surr: 2,4,6-Tribromophenol	8.86	47-127	S	%REC	278022	1	04/25/2019 23:47	YH
Surr: 2-Fluorobiphenyl	83.3	47.4-119		%REC	278022	1	04/25/2019 23:47	YH
Surr: 2-Fluorophenol	7.89	26.2-120	S	%REC	278022	1	04/25/2019 23:47	YH
Surr: 4-Terphenyl-d14	64.9	45-133		%REC	278022	1	04/25/2019 23:47	YH
Surr: Nitrobenzene-d5	79.7	41.9-121		%REC	278022	1	04/25/2019 23:47	YH
Surr: Phenol-d5	5.82	17.8-120	S	%REC	278022	1	04/25/2019 23:47	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 16:17	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29
Project Name	WC Meredith	**Collection Date:**	4/23/2019 12:05:00 PM
Lab ID:	1904O14-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Acetone	BRL	50		ug/L	278306	1	04/26/2019 22:55	JE
2-Butanone	BRL	50		ug/L	278306	1	04/26/2019 22:55	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Benzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Toluene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/26/2019 22:55	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Styrene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/26/2019 22:55	JE
Surr: 4-Bromofluorobenzene	98	64-125		%REC	278306	1	04/26/2019 22:55	JE
Surr: Dibromofluoromethane	96.7	76.4-125		%REC	278306	1	04/26/2019 22:55	JE
Surr: Toluene-d8	105	78.3-116		%REC	278306	1	04/26/2019 22:55	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.127	0.0500		mg/L	277998	1	04/25/2019 19:52	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Barium	0.109	0.0100		mg/L	277998	1	04/25/2019 19:52	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:52	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:52	KT
Lead	0.00100	0.00100		mg/L	277998	1	04/25/2019 19:52	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:52	KT
Zinc	0.0306	0.0100		mg/L	277998	1	04/25/2019 19:52	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
2,4-Dimethylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
2,4-Dinitrophenol	BRL	25		ug/L	278022	1	04/26/2019 00:17	YH
2-Chlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
2-Methylnaphthalene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
2-Methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29
Project Name	WC Meredith	**Collection Date:**	4/23/2019 12:05:00 PM
Lab ID:	1904O14-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Acenaphthene	46	10		ug/L	278022	1	04/26/2019 00:17	YH
Acenaphthylene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Benz(a)anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Benzo(a)pyrene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Benzo(b)fluoranthene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Benzo(k)fluoranthene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Carbazole	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Chrysene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Dibenzofuran	18	10		ug/L	278022	1	04/26/2019 00:17	YH
Fluoranthene	28	10		ug/L	278022	1	04/26/2019 00:17	YH
Fluorene	38	10		ug/L	278022	1	04/26/2019 00:17	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Naphthalene	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Pentachlorophenol	BRL	25		ug/L	278022	1	04/26/2019 00:17	YH
Phenanthrene	52	10		ug/L	278022	1	04/26/2019 00:17	YH
Phenol	BRL	10		ug/L	278022	1	04/26/2019 00:17	YH
Pyrene	16	10		ug/L	278022	1	04/26/2019 00:17	YH
Surr: 2,4,6-Tribromophenol	76.9	47-127		%REC	278022	1	04/26/2019 00:17	YH
Surr: 2-Fluorobiphenyl	82.1	47.4-119		%REC	278022	1	04/26/2019 00:17	YH
Surr: 2-Fluorophenol	43.6	26.2-120		%REC	278022	1	04/26/2019 00:17	YH
Surr: 4-Terphenyl-d14	54.3	45-133		%REC	278022	1	04/26/2019 00:17	YH
Surr: Nitrobenzene-d5	84.3	41.9-121		%REC	278022	1	04/26/2019 00:17	YH
Surr: Phenol-d5	27.4	17.8-120		%REC	278022	1	04/26/2019 00:17	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 14:52	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	DUP-1
Project Name	WC Meredith	**Collection Date:**	4/22/2019
Lab ID:	1904O14-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Acetone	BRL	50		ug/L	278306	1	04/29/2019 14:03	JE
2-Butanone	BRL	50		ug/L	278306	1	04/29/2019 14:03	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Benzene	5.1	1.0		ug/L	278306	1	04/29/2019 14:03	JE
1,2-Dichloroethane	3.4	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Toluene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/29/2019 14:03	JE
o-Xylene	2.2	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Styrene	BRL	1.0		ug/L	278306	1	04/29/2019 14:03	JE
1,3,5-Trimethylbenzene	1.6	1.0		ug/L	278306	1	04/29/2019 14:03	JE
1,2,4-Trimethylbenzene	5.6	1.0		ug/L	278306	1	04/29/2019 14:03	JE
Surr: 4-Bromofluorobenzene	104	64-125		%REC	278306	1	04/29/2019 14:03	JE
Surr: Dibromofluoromethane	101	76.4-125		%REC	278306	1	04/29/2019 14:03	JE
Surr: Toluene-d8	103	78.3-116		%REC	278306	1	04/29/2019 14:03	JE
Total Metals by ICP/MS SW6020B				**(SW3005A)**				
Aluminum	0.0909	0.0500		mg/L	277998	1	04/25/2019 19:55	KT
Arsenic	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Barium	0.0675	0.0100		mg/L	277998	1	04/25/2019 19:55	KT
Cadmium	BRL	0.000700		mg/L	277998	1	04/25/2019 19:55	KT
Chromium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Cobalt	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Copper	BRL	0.00200		mg/L	277998	1	04/25/2019 19:55	KT
Lead	0.00192	0.00100		mg/L	277998	1	04/25/2019 19:55	KT
Nickel	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Selenium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Vanadium	BRL	0.00500		mg/L	277998	1	04/25/2019 19:55	KT
Zinc	BRL	0.0100		mg/L	277998	1	04/25/2019 19:55	KT
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
2,4-Dimethylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
2,4-Dinitrophenol	BRL	25		ug/L	278022	1	04/26/2019 00:47	YH
2-Chlorophenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
2-Methylnaphthalene	25	10		ug/L	278022	1	04/26/2019 00:47	YH
2-Methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	DUP-1
Project Name	WC Meredith	**Collection Date:**	4/22/2019
Lab ID:	1904O14-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**				
3,4-Methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Acenaphthene	15	10		ug/L	278022	1	04/26/2019 00:47	YH
Acenaphthylene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Benz(a)anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Benzo(a)pyrene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Benzo(b)fluoranthene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Carbazole	32	10		ug/L	278022	1	04/26/2019 00:47	YH
Chrysene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Dibenzofuran	33	10		ug/L	278022	1	04/26/2019 00:47	YH
Fluoranthene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Fluorene	38	10		ug/L	278022	1	04/26/2019 00:47	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Naphthalene	840	100		ug/L	278022	10	04/26/2019 16:13	YH
Pentachlorophenol	BRL	25		ug/L	278022	1	04/26/2019 00:47	YH
Phenanthrene	15	10		ug/L	278022	1	04/26/2019 00:47	YH
Phenol	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Pyrene	BRL	10		ug/L	278022	1	04/26/2019 00:47	YH
Surr: 2,4,6-Tribromophenol	85	47-127		%REC	278022	1	04/26/2019 00:47	YH
Surr: 2-Fluorobiphenyl	85	47.4-119		%REC	278022	1	04/26/2019 00:47	YH
Surr: 2-Fluorophenol	41.4	26.2-120		%REC	278022	1	04/26/2019 00:47	YH
Surr: 4-Terphenyl-d14	71	45-133		%REC	278022	1	04/26/2019 00:47	YH
Surr: Nitrobenzene-d5	85.8	41.9-121		%REC	278022	1	04/26/2019 00:47	YH
Surr: Phenol-d5	28.9	17.8-120		%REC	278022	1	04/26/2019 00:47	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	278202	1	04/29/2019 16:20	CD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 1
Project Name	WC Meredith	**Collection Date:**	4/18/2019
Lab ID:	1904O14-019	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Acetone	BRL	50		ug/L	278306	1	04/29/2019 14:28	JE
2-Butanone	BRL	50		ug/L	278306	1	04/29/2019 14:28	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Benzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Toluene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/29/2019 14:28	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Styrene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:28	JE
Surr: 4-Bromofluorobenzene	103	64-125		%REC	278306	1	04/29/2019 14:28	JE
Surr: Dibromofluoromethane	101	76.4-125		%REC	278306	1	04/29/2019 14:28	JE
Surr: Toluene-d8	106	78.3-116		%REC	278306	1	04/29/2019 14:28	JE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 2
Project Name	WC Meredith	**Collection Date:**	4/18/2019
Lab ID:	1904O14-020	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Acetone	BRL	50		ug/L	278306	1	04/29/2019 14:53	JE
2-Butanone	BRL	50		ug/L	278306	1	04/29/2019 14:53	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Benzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Trichloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Toluene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Tetrachloroethene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Ethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
m,p-Xylene	BRL	2.0		ug/L	278306	1	04/29/2019 14:53	JE
o-Xylene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Styrene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278306	1	04/29/2019 14:53	JE
Surr: 4-Bromofluorobenzene	104	64-125		%REC	278306	1	04/29/2019 14:53	JE
Surr: Dibromofluoromethane	103	76.4-125		%REC	278306	1	04/29/2019 14:53	JE
Surr: Toluene-d8	106	78.3-116		%REC	278306	1	04/29/2019 14:53	JE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 3
Project Name	WC Meredith	**Collection Date:**	4/18/2019
Lab ID:	1904O14-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Acetone	BRL	50		ug/L	278246	1	04/29/2019 15:17	JE
2-Butanone	BRL	50		ug/L	278246	1	04/29/2019 15:17	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Benzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Trichloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Toluene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Tetrachloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Ethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
m,p-Xylene	BRL	2.0		ug/L	278246	1	04/29/2019 15:17	JE
o-Xylene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Styrene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:17	JE
Surr: 4-Bromofluorobenzene	105	64-125		%REC	278246	1	04/29/2019 15:17	JE
Surr: Dibromofluoromethane	104	76.4-125		%REC	278246	1	04/29/2019 15:17	JE
Surr: Toluene-d8	104	78.3-116		%REC	278246	1	04/29/2019 15:17	JE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 4
Project Name	WC Meredith	**Collection Date:**	4/18/2019
Lab ID:	1904O14-022	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Acetone	BRL	50		ug/L	278246	1	04/29/2019 15:42	JE
2-Butanone	BRL	50		ug/L	278246	1	04/29/2019 15:42	JE
1,1,1-Trichloroethane	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Benzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
1,2-Dichloroethane	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Trichloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Toluene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Tetrachloroethene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Ethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
m,p-Xylene	BRL	2.0		ug/L	278246	1	04/29/2019 15:42	JE
o-Xylene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Styrene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	278246	1	04/29/2019 15:42	JE
Surr: 4-Bromofluorobenzene	100	64-125		%REC	278246	1	04/29/2019 15:42	JE
Surr: Dibromofluoromethane	97.4	76.4-125		%REC	278246	1	04/29/2019 15:42	JE
Surr: Toluene-d8	105	78.3-116		%REC	278246	1	04/29/2019 15:42	JE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: TMW-19				**Lab ID:** 1904O14-001			
Collection Date: 4/18/2019 11:00:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.580		0.00858	0.0500	mg/L	277998	1
Barium	0.203		0.000205	0.0100	mg/L	277998	1
Cobalt	0.0791		0.000279	0.00500	mg/L	277998	1
Nickel	0.00668		0.000226	0.00500	mg/L	277998	1
Zinc	0.0284		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-17				**Lab ID:** 1904O14-002			
Collection Date: 4/18/2019 12:20:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.0832		0.00858	0.0500	mg/L	277998	1
Barium	0.0517		0.000205	0.0100	mg/L	277998	1
Cobalt	0.0505		0.000279	0.00500	mg/L	277998	1
Nickel	0.00986		0.000226	0.00500	mg/L	277998	1
Zinc	0.0677		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-18				**Lab ID:** 1904O14-003			
Collection Date: 4/18/2019 1:25:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Barium	0.132		0.000205	0.0100	mg/L	277998	1
Cobalt	0.188		0.000279	0.00500	mg/L	277998	1
Copper	0.00341		0.00186	0.00200	mg/L	277998	1
Nickel	0.0510		0.000226	0.00500	mg/L	277998	1
Zinc	0.0128		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-20				**Lab ID:** 1904O14-004			
Collection Date: 4/18/2019 3:10:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.152		0.00858	0.0500	mg/L	277998	1
Barium	0.0833		0.000205	0.0100	mg/L	277998	1
Cobalt	0.0792		0.000279	0.00500	mg/L	277998	1
Nickel	0.0108		0.000226	0.00500	mg/L	277998	1
Client Sample ID: TMW-21				**Lab ID:** 1904O14-005			
Collection Date: 4/18/2019 4:30:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**			
1,1-Dichloroethene	2.0		0.40	1.0	ug/L	278306	1
Acetone	71		3.6	50	ug/L	278306	1
Benzene	8.4		0.37	1.0	ug/L	278306	1
1,2-Dichloroethane	38		0.37	1.0	ug/L	278306	1
Trichloroethene	1.7		0.30	1.0	ug/L	278306	1
Toluene	12		0.39	1.0	ug/L	278306	1
Tetrachloroethene	4.4		0.46	1.0	ug/L	278306	1
Ethylbenzene	9.2		0.26	1.0	ug/L	278306	1
m,p-Xylene	19		0.60	2.0	ug/L	278306	1
o-Xylene	13		0.18	1.0	ug/L	278306	1
1,3,5-Trimethylbenzene	5.0		0.40	1.0	ug/L	278306	1
1,2,4-Trimethylbenzene	13		0.29	1.0	ug/L	278306	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: TMW-21				**Lab ID:** 1904O14-005			
Collection Date: 4/18/2019 4:30:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	42.7		0.00858	0.0500	mg/L	277998	1
Barium	0.391		0.000205	0.0100	mg/L	277998	1
Chromium	0.0805		0.00176	0.00500	mg/L	277998	1
Cobalt	0.0250		0.000279	0.00500	mg/L	277998	1
Copper	0.0471		0.00186	0.00200	mg/L	277998	1
Lead	0.155		0.000621	0.00100	mg/L	277998	1
Nickel	0.0273		0.000226	0.00500	mg/L	277998	1
Vanadium	0.144		0.00211	0.00500	mg/L	277998	1
Zinc	0.0903		0.00168	0.0100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
2-Methylnaphthalene	79		1.2	10	ug/L	277968	1
Dibenzofuran	36		1.1	10	ug/L	277968	1
Naphthalene	2000		24	200	ug/L	277968	20
Pentachlorophenol	270		6.2	250	ug/L	277968	10
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**			
Barium	0.0431		0.000205	0.0100	mg/L	278213	1
Client Sample ID: TMW-22				**Lab ID:** 1904O14-006			
Collection Date: 4/22/2019 9:35:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1.75		0.00858	0.0500	mg/L	277998	1
Barium	0.173		0.000205	0.0100	mg/L	277998	1
Cobalt	0.00507		0.000279	0.00500	mg/L	277998	1
Copper	0.00211		0.00186	0.00200	mg/L	277998	1
Lead	0.00259		0.000621	0.00100	mg/L	277998	1
Vanadium	0.00718		0.00211	0.00500	mg/L	277998	1
Zinc	0.0382		0.00168	0.0100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
Acenaphthene	15		1.1	10	ug/L	277968	1
Naphthalene	21		1.2	10	ug/L	277968	1
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**			
Barium	0.141		0.000205	0.0100	mg/L	278213	1
Client Sample ID: TMW-23				**Lab ID:** 1904O14-007			
Collection Date: 4/22/2019 10:30:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.529		0.00858	0.0500	mg/L	277998	1
Arsenic	0.00572		0.00205	0.00500	mg/L	277998	1
Barium	0.0765		0.000205	0.0100	mg/L	277998	1
Lead	0.00508		0.000621	0.00100	mg/L	277998	1
Zinc	0.0321		0.00168	0.0100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
3,4-Methylphenol	21		2.3	10	ug/L	277968	1
Naphthalene	15		1.2	10	ug/L	277968	1
Client Sample ID: TMW-24				**Lab ID:** 1904O14-008			
Collection Date: 4/22/2019 11:20:00 AM				**Matrix:** Groundwater			

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: TMW-24				**Lab ID:** 1904O14-008			
Collection Date: 4/22/2019 11:20:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.288		0.00858	0.0500	mg/L	277998	1
Arsenic	0.00816		0.00205	0.00500	mg/L	277998	1
Barium	0.114		0.000205	0.0100	mg/L	277998	1
Cobalt	0.00684		0.000279	0.00500	mg/L	277998	1
Lead	0.00214		0.000621	0.00100	mg/L	277998	1
Zinc	0.0147		0.00168	0.0100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
3,4-Methylphenol	19		2.3	10	ug/L	277968	1
Client Sample ID: TMW-25				**Lab ID:** 1904O14-009			
Collection Date: 4/22/2019 12:25:00 PM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**			
Benzene	5.6		0.37	1.0	ug/L	278306	1
1,2-Dichloroethane	3.7		0.37	1.0	ug/L	278306	1
o-Xylene	2.2		0.18	1.0	ug/L	278306	1
1,3,5-Trimethylbenzene	1.6		0.40	1.0	ug/L	278306	1
1,2,4-Trimethylbenzene	5.8		0.29	1.0	ug/L	278306	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.0916		0.00858	0.0500	mg/L	277998	1
Barium	0.0705		0.000205	0.0100	mg/L	277998	1
Lead	0.00253		0.000621	0.00100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
2-Methylnaphthalene	27		1.2	10	ug/L	277968	1
Acenaphthene	17		1.1	10	ug/L	277968	1
Carbazole	29		0.75	10	ug/L	277968	1
Dibenzofuran	36		1.1	10	ug/L	277968	1
Fluorene	41		1.2	10	ug/L	277968	1
Naphthalene	910		12	100	ug/L	277968	10
Phenanthrene	15		0.86	10	ug/L	277968	1
Client Sample ID: TMW-26				**Lab ID:** 1904O14-010			
Collection Date: 4/22/2019 1:55:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1.54		0.00858	0.0500	mg/L	277998	1
Barium	0.0499		0.000205	0.0100	mg/L	277998	1
Copper	0.00337		0.00186	0.00200	mg/L	277998	1
Lead	0.00312		0.000621	0.00100	mg/L	277998	1
Vanadium	0.00809		0.00211	0.00500	mg/L	277998	1
Zinc	0.0250		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-30				**Lab ID:** 1904O14-011			
Collection Date: 4/22/2019 3:00:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	3.07		0.00858	0.0500	mg/L	277998	1
Barium	0.0170		0.000205	0.0100	mg/L	277998	1
Chromium	0.00571		0.00176	0.00500	mg/L	277998	1
Copper	0.00411		0.00186	0.00200	mg/L	277998	1

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: TMW-30				**Lab ID:** 1904O14-011			
Collection Date: 4/22/2019 3:00:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Lead	0.00808		0.000621	0.00100	mg/L	277998	1
Vanadium	0.0147		0.00211	0.00500	mg/L	277998	1
Zinc	0.0125		0.00168	0.0100	mg/L	277998	1
Dissolved Metals by ICP/MS SW6020B				**(SW3005A)**			
Lead	0.00164		0.000621	0.00100	mg/L	278213	1
Client Sample ID: TMW-27				**Lab ID:** 1904O14-012			
Collection Date: 4/22/2019 3:40:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1.30		0.00858	0.0500	mg/L	277998	1
Barium	0.0406		0.000205	0.0100	mg/L	277998	1
Copper	0.00209		0.00186	0.00200	mg/L	277998	1
Lead	0.00270		0.000621	0.00100	mg/L	277998	1
Vanadium	0.00582		0.00211	0.00500	mg/L	277998	1
Zinc	0.0143		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-28				**Lab ID:** 1904O14-013			
Collection Date: 4/22/2019 4:35:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1.43		0.00858	0.0500	mg/L	277998	1
Barium	0.113		0.000205	0.0100	mg/L	277998	1
Chromium	0.00856		0.00176	0.00500	mg/L	277998	1
Cobalt	0.00540		0.000279	0.00500	mg/L	277998	1
Copper	0.00287		0.00186	0.00200	mg/L	277998	1
Lead	0.00448		0.000621	0.00100	mg/L	277998	1
Vanadium	0.00739		0.00211	0.00500	mg/L	277998	1
Zinc	0.0366		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-31				**Lab ID:** 1904O14-014			
Collection Date: 4/23/2019 9:20:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**			
1,2-Dichloroethane	1.3		0.37	1.0	ug/L	278306	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	1.86		0.00858	0.0500	mg/L	277998	1
Barium	0.0333		0.000205	0.0100	mg/L	277998	1
Chromium	0.00563		0.00176	0.00500	mg/L	277998	1
Cobalt	0.00943		0.000279	0.00500	mg/L	277998	1
Copper	0.00327		0.00186	0.00200	mg/L	277998	1
Lead	0.0112		0.000621	0.00100	mg/L	277998	1
Vanadium	0.00762		0.00211	0.00500	mg/L	277998	1
Zinc	0.0320		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-32				**Lab ID:** 1904O14-015			
Collection Date: 4/23/2019 10:00:00 AM				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**			
1,2-Dichloroethane	2.9		0.37	1.0	ug/L	278306	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: TMW-32				**Lab ID:** 1904O14-015			
Collection Date: 4/23/2019 10:00:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	3.59		0.00858	0.0500	mg/L	277998	1
Arsenic	0.00522		0.00205	0.00500	mg/L	277998	1
Barium	0.274		0.000205	0.0100	mg/L	277998	1
Cobalt	0.0676		0.000279	0.00500	mg/L	277998	1
Lead	0.00128		0.000621	0.00100	mg/L	277998	1
Nickel	0.0243		0.000226	0.00500	mg/L	277998	1
Zinc	0.200		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-33				**Lab ID:** 1904O14-016			
Collection Date: 4/23/2019 11:05:00 AM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	30.3		0.00858	0.0500	mg/L	277998	1
Barium	0.0360		0.000205	0.0100	mg/L	277998	1
Cadmium	0.00836		0.000096	0.000700	mg/L	277998	1
Cobalt	0.447		0.000279	0.00500	mg/L	277998	1
Copper	0.0273		0.00186	0.00200	mg/L	277998	1
Lead	0.0119		0.000621	0.00100	mg/L	277998	1
Nickel	0.0902		0.000226	0.00500	mg/L	277998	1
Selenium	0.00518		0.00149	0.00500	mg/L	277998	1
Vanadium	0.00814		0.00211	0.00500	mg/L	277998	1
Zinc	0.0778		0.00168	0.0100	mg/L	277998	1
Client Sample ID: TMW-29				**Lab ID:** 1904O14-017			
Collection Date: 4/23/2019 12:05:00 PM				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.127		0.00858	0.0500	mg/L	277998	1
Barium	0.109		0.000205	0.0100	mg/L	277998	1
Lead	0.00100		0.000621	0.00100	mg/L	277998	1
Zinc	0.0306		0.00168	0.0100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
Acenaphthene	46		1.1	10	ug/L	278022	1
Dibenzofuran	18		1.1	10	ug/L	278022	1
Fluoranthene	28		1.0	10	ug/L	278022	1
Fluorene	38		1.2	10	ug/L	278022	1
Phenanthrene	52		0.86	10	ug/L	278022	1
Pyrene	16		0.83	10	ug/L	278022	1
Client Sample ID: DUP-1				**Lab ID:** 1904O14-018			
Collection Date: 4/22/2019				**Matrix:** Groundwater			
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**			
Benzene	5.1		0.37	1.0	ug/L	278306	1
1,2-Dichloroethane	3.4		0.37	1.0	ug/L	278306	1
o-Xylene	2.2		0.18	1.0	ug/L	278306	1
1,3,5-Trimethylbenzene	1.6		0.40	1.0	ug/L	278306	1
1,2,4-Trimethylbenzene	5.6		0.29	1.0	ug/L	278306	1
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Aluminum	0.0909		0.00858	0.0500	mg/L	277998	1

Analytical Environmental Services, Inc

Date: 30-Apr-19

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution
Client Sample ID: DUP-1				**Lab ID:** 1904O14-018			
Collection Date: 4/22/2019				**Matrix:** Groundwater			
Total Metals by ICP/MS SW6020B				**(SW3005A)**			
Barium	0.0675		0.000205	0.0100	mg/L	277998	1
Lead	0.00192		0.000621	0.00100	mg/L	277998	1
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3510C)**			
2-Methylnaphthalene	25		1.2	10	ug/L	278022	1
Acenaphthene	15		1.1	10	ug/L	278022	1
Carbazole	32		0.75	10	ug/L	278022	1
Dibenzofuran	33		1.1	10	ug/L	278022	1
Fluorene	38		1.2	10	ug/L	278022	1
Naphthalene	840		12	100	ug/L	278022	10
Phenanthrene	15		0.86	10	ug/L	278022	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277968

Sample ID: **MB-277968** Client ID: Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8883793**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277968

Sample ID: **MB-277968** Client ID: Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8883793**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	113.4	0	100.0		113	47	127				
Surr: 2-Fluorobiphenyl	47.81	0	50.00		95.6	47.4	119				
Surr: 2-Fluorophenol	60.40	0	100.0		60.4	26.2	120				
Surr: 4-Terphenyl-d14	38.82	0	50.00		77.6	45	133				
Surr: Nitrobenzene-d5	46.20	0	50.00		92.4	41.9	121				
Surr: Phenol-d5	34.54	0	100.0		34.5	17.8	120				

Sample ID: **LCS-277968** Client ID: Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8883794**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	89.50	10	100.0		89.5	50.6	120				
4-Chloro-3-methylphenol	99.35	10	100.0		99.4	59.5	122				
Acenaphthene	99.29	10	100.0		99.3	60.5	119				
Pentachlorophenol	92.05	25	100.0		92.0	50.9	120				
Phenol	43.75	10	100.0		43.8	20.1	120				
Pyrene	95.32	10	100.0		95.3	68.8	139				
Surr: 2,4,6-Tribromophenol	125.1	0	100.0		125	47	127				
Surr: 2-Fluorobiphenyl	54.77	0	50.00		110	47.4	119				
Surr: 2-Fluorophenol	66.74	0	100.0		66.7	26.2	120				
Surr: 4-Terphenyl-d14	43.35	0	50.00		86.7	45	133				
Surr: Nitrobenzene-d5	51.49	0	50.00		103	41.9	121				
Surr: Phenol-d5	41.21	0	100.0		41.2	17.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277968

Sample ID: **1904O14-001BMS** Client ID: **TMW-19** Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8886582**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	94.11	10	100.0		94.1	46.5	120				
4-Chloro-3-methylphenol	107.0	10	100.0		107	47.8	119				
Acenaphthene	102.6	10	100.0		103	48.2	120				
Pentachlorophenol	98.63	25	100.0		98.6	42.4	120				
Phenol	62.90	10	100.0		62.9	24.7	120				
Pyrene	96.10	10	100.0		96.1	55.5	120				
Surr: 2,4,6-Tribromophenol	122.9	0	100.0		123	47	127				
Surr: 2-Fluorobiphenyl	56.87	0	50.00		114	47.4	119				
Surr: 2-Fluorophenol	82.60	0	100.0		82.6	26.2	120				
Surr: 4-Terphenyl-d14	43.91	0	50.00		87.8	45	133				
Surr: Nitrobenzene-d5	52.45	0	50.00		105	41.9	121				
Surr: Phenol-d5	60.93	0	100.0		60.9	17.8	120				

Sample ID: **1904O14-001BMSD** Client ID: **TMW-19** Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8886586**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	78.08	10	100.0		78.1	46.5	120	94.11	18.6	26.3	
4-Chloro-3-methylphenol	89.48	10	100.0		89.5	47.8	119	107.0	17.8	29.2	
Acenaphthene	87.79	10	100.0		87.8	48.2	120	102.6	15.6	28.3	
Pentachlorophenol	83.64	25	100.0		83.6	42.4	120	98.63	16.4	20	
Phenol	52.05	10	100.0		52.0	24.7	120	62.90	18.9	33.4	
Pyrene	82.43	10	100.0		82.4	55.5	120	96.10	15.3	25.1	
Surr: 2,4,6-Tribromophenol	103.6	0	100.0		104	47	127	122.9	0	0	
Surr: 2-Fluorobiphenyl	45.87	0	50.00		91.7	47.4	119	56.87	0	0	
Surr: 2-Fluorophenol	64.86	0	100.0		64.9	26.2	120	82.60	0	0	
Surr: 4-Terphenyl-d14	35.86	0	50.00		71.7	45	133	43.91	0	0	
Surr: Nitrobenzene-d5	43.08	0	50.00		86.2	41.9	121	52.45	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277968

Sample ID: **1904O14-001BMSD** Client ID: **TMW-19** Units: **ug/L** Prep Date: **04/24/2019** Run No: **396655**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **277968** Analysis Date: **04/24/2019** Seq No: **8886586**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	47.47	0	100.0		47.5	17.8	120	60.93	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277998

Sample ID: **MB-277998** Client ID: Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **MBLK** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/25/2019** Seq No: **8888095**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.0500									
Arsenic	BRL	0.00500									
Barium	BRL	0.0100									
Cadmium	BRL	0.000700									
Chromium	BRL	0.00500									
Cobalt	BRL	0.00500									
Copper	BRL	0.00200									
Lead	BRL	0.00100									
Nickel	BRL	0.00500									
Selenium	BRL	0.00500									
Vanadium	BRL	0.00500									
Zinc	BRL	0.0100									

Sample ID: **LCS-277998** Client ID: Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **LCS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/25/2019** Seq No: **8888096**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.9748	0.0500	1.000		97.5	80	120				
Arsenic	0.09662	0.00500	0.1000		96.6	80	120				
Barium	0.09375	0.0100	0.1000		93.7	80	120				
Cadmium	0.09284	0.000700	0.1000		92.8	80	120				
Chromium	0.1010	0.00500	0.1000		101	80	120				
Cobalt	0.1050	0.00500	0.1000		105	80	120				
Copper	0.09700	0.00200	0.1000		97.0	80	120				
Lead	0.1024	0.00100	0.1000		102	80	120				
Nickel	0.1020	0.00500	0.1000		102	80	120				
Selenium	0.09599	0.00500	0.1000		96.0	80	120				
Vanadium	0.1017	0.00500	0.1000		102	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277998

Sample ID: **LCS-277998** Client ID: Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **LCS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/25/2019** Seq No: **8888096**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	0.09255	0.0100	0.1000		92.5	80	120				

Sample ID: **1904O14-001CMS** Client ID: **TMW-19** Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **MS** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/26/2019** Seq No: **8890457**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1.606	0.0500	1.000	0.5801	103	75	125				
Arsenic	0.1037	0.00500	0.1000		104	75	125				
Barium	0.2960	0.0100	0.1000	0.2031	92.9	75	125				
Cadmium	0.09313	0.000700	0.1000	0.0002600	92.9	75	125				
Chromium	0.1033	0.00500	0.1000		103	75	125				
Cobalt	0.1783	0.00500	0.1000	0.07913	99.1	75	125				
Copper	0.09854	0.00200	0.1000		98.5	75	125				
Lead	0.09556	0.00100	0.1000		95.6	75	125				
Nickel	0.1088	0.00500	0.1000	0.006679	102	75	125				
Selenium	0.09922	0.00500	0.1000	0.002673	96.5	75	125				
Vanadium	0.1059	0.00500	0.1000		106	75	125				
Zinc	0.1343	0.0100	0.1000	0.02842	106	75	125				

Sample ID: **1904O14-001CMSD** Client ID: **TMW-19** Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **MSD** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/26/2019** Seq No: **8890458**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1.516	0.0500	1.000	0.5801	93.6	75	125	1.606	5.80	20	
Arsenic	0.1022	0.00500	0.1000		102	75	125	0.1037	1.44	20	
Barium	0.2918	0.0100	0.1000	0.2031	88.7	75	125	0.2960	1.42	20	
Cadmium	0.09173	0.000700	0.1000	0.0002600	91.5	75	125	0.09313	1.52	20	
Chromium	0.1039	0.00500	0.1000		104	75	125	0.1033	0.618	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 277998

Sample ID: **1904O14-001CMSD** Client ID: **TMW-19** Units: **mg/L** Prep Date: **04/24/2019** Run No: **396838**
SampleType: **MSD** TestCode: **Total Metals by ICP/MS SW6020B** BatchID: **277998** Analysis Date: **04/26/2019** Seq No: **8890458**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	0.1796	0.00500	0.1000	0.07913	100	75	125	0.1783	0.731	20	
Copper	0.09641	0.00200	0.1000		96.4	75	125	0.09854	2.19	20	
Lead	0.09598	0.00100	0.1000		96.0	75	125	0.09556	0.430	20	
Nickel	0.1081	0.00500	0.1000	0.006679	101	75	125	0.1088	0.588	20	
Selenium	0.09260	0.00500	0.1000	0.002673	89.9	75	125	0.09922	6.90	20	
Vanadium	0.1058	0.00500	0.1000		106	75	125	0.1059	0.094	20	
Zinc	0.1179	0.0100	0.1000	0.02842	89.5	75	125	0.1343	13.0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278022

Sample ID: **MB-278022** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278022

Sample ID: **MB-278022** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	74.26	0	100.0		74.3	47	127				
Surr: 2-Fluorobiphenyl	40.57	0	50.00		81.1	47.4	119				
Surr: 2-Fluorophenol	37.76	0	100.0		37.8	26.2	120				
Surr: 4-Terphenyl-d14	31.00	0	50.00		62.0	45	133				
Surr: Nitrobenzene-d5	43.52	0	50.00		87.0	41.9	121				
Surr: Phenol-d5	23.19	0	100.0		23.2	17.8	120				

Sample ID: **MB-278022-PQL** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/26/2019** Seq No: **8889234**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	5.0									
2,4,6-Trichlorophenol	BRL	5.0									
2,4-Dimethylphenol	BRL	5.0									
2,4-Dinitrophenol	BRL	12									
2-Chlorophenol	BRL	5.0									
2-Methylnaphthalene	BRL	5.0									
2-Methylphenol	BRL	5.0									
3,4-Methylphenol	BRL	5.0									
4-Chloro-3-methylphenol	BRL	5.0									
Acenaphthene	BRL	5.0									
Acenaphthylene	BRL	5.0									
Anthracene	BRL	5.0									
Benz(a)anthracene	BRL	5.0									
Benzo(a)pyrene	BRL	5.0									
Benzo(b)fluoranthene	BRL	5.0									
Benzo(k)fluoranthene	BRL	5.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278022

Sample ID: **MB-278022-PQL** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/26/2019** Seq No: **8889234**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Carbazole	BRL	5.0									
Chrysene	BRL	5.0									
Dibenz(a,h)anthracene	BRL	5.0									
Dibenzofuran	BRL	5.0									
Fluoranthene	BRL	5.0									
Fluorene	BRL	5.0									
Indeno(1,2,3-cd)pyrene	BRL	5.0									
Naphthalene	BRL	5.0									
Pentachlorophenol	BRL	12									
Phenanthrene	BRL	5.0									
Phenol	BRL	5.0									
Pyrene	BRL	5.0									
Surr: 2,4,6-Tribromophenol	30.84	0	50.00		61.7	47	127				
Surr: 2-Fluorobiphenyl	16.40	0	25.00		65.6	47.4	119				
Surr: 2-Fluorophenol	15.42	0	50.00		30.8	26.2	120				
Surr: 4-Terphenyl-d14	15.22	0	25.00		60.9	45	133				
Surr: Nitrobenzene-d5	17.36	0	25.00		69.4	41.9	121				
Surr: Phenol-d5	9.955	0	50.00		19.9	17.8	120				

Sample ID: **LCS-278022** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887962**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	85.83	10	100.0		85.8	50.6	120				
4-Chloro-3-methylphenol	87.47	10	100.0		87.5	59.5	122				
Acenaphthene	89.30	10	100.0		89.3	60.5	119				
Pentachlorophenol	53.93	25	100.0		53.9	50.9	120				
Phenol	29.67	10	100.0		29.7	20.1	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278022

Sample ID: **LCS-278022** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887962**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	103.2	10	100.0		103	68.8	139				
Surr: 2,4,6-Tribromophenol	85.87	0	100.0		85.9	47	127				
Surr: 2-Fluorobiphenyl	45.96	0	50.00		91.9	47.4	119				
Surr: 2-Fluorophenol	43.14	0	100.0		43.1	26.2	120				
Surr: 4-Terphenyl-d14	44.56	0	50.00		89.1	45	133				
Surr: Nitrobenzene-d5	47.99	0	50.00		96.0	41.9	121				
Surr: Phenol-d5	32.80	0	100.0		32.8	17.8	120				

Sample ID: **1904O84-005BMS** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887964**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	33.56	5.0	50.00		67.1	46.5	120				
4-Chloro-3-methylphenol	28.51	5.0	50.00		57.0	47.8	119				
Acenaphthene	30.37	5.0	50.00		60.7	48.2	120				
Pentachlorophenol	26.78	12	50.00		53.6	42.4	120				
Phenol	32.98	5.0	50.00		66.0	24.7	120				
Pyrene	28.53	5.0	50.00		57.1	55.5	120				
Surr: 2,4,6-Tribromophenol	30.24	0	50.00		60.5	47	127				
Surr: 2-Fluorobiphenyl	15.32	0	25.00		61.3	47.4	119				
Surr: 2-Fluorophenol	3.020	0	50.00		6.04	26.2	120				S
Surr: 4-Terphenyl-d14	6.020	0	25.00		24.1	45	133				S
Surr: Nitrobenzene-d5	29.88	0	25.00		120	41.9	121				
Surr: Phenol-d5	1.525	0	50.00		3.05	17.8	120				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278022

Sample ID: **1904O84-005BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **ug/L** Prep Date: **04/25/2019** Run No: **396830**
BatchID: **278022** Analysis Date: **04/25/2019** Seq No: **8887965**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	45.02	5.0	50.00		90.0	46.5	120	33.56	29.2	26.3	R
4-Chloro-3-methylphenol	35.79	5.0	50.00		71.6	47.8	119	28.51	22.6	29.2	
Acenaphthene	35.26	5.0	50.00		70.5	48.2	120	30.37	14.9	28.3	
Pentachlorophenol	25.96	12	50.00		51.9	42.4	120	26.78	3.07	20	
Phenol	33.54	5.0	50.00		67.1	24.7	120	32.98	1.68	33.4	
Pyrene	32.62	5.0	50.00		65.2	55.5	120	28.53	13.4	25.1	
Surr: 2,4,6-Tribromophenol	37.00	0	50.00		74.0	47	127	30.24	0	0	
Surr: 2-Fluorobiphenyl	17.56	0	25.00		70.3	47.4	119	15.32	0	0	
Surr: 2-Fluorophenol	3.450	0	50.00		6.90	26.2	120	3.020	0	0	S
Surr: 4-Terphenyl-d14	6.990	0	25.00		28.0	45	133	6.020	0	0	S
Surr: Nitrobenzene-d5	38.06	0	25.00		152	41.9	121	29.88	0	0	S
Surr: Phenol-d5	2.010	0	50.00		4.02	17.8	120	1.525	0	0	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278201

Sample ID: **MB-278201**	Client ID:				Units: **mg/L**		Prep Date: **04/26/2019**		Run No: **396884**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **278201**		Analysis Date: **04/26/2019**		Seq No: **8889427**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-278201**	Client ID:				Units: **mg/L**		Prep Date: **04/26/2019**		Run No: **396884**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **278201**		Analysis Date: **04/26/2019**		Seq No: **8889428**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004093	0.00020	0.0040		102	80	120				

Sample ID: **1904Q41-001CMS**	Client ID:				Units: **mg/L**		Prep Date: **04/26/2019**		Run No: **396884**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **278201**		Analysis Date: **04/26/2019**		Seq No: **8889430**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004104	0.00020	0.0040		103	75	125				

Sample ID: **1904Q41-001CMSD**	Client ID:				Units: **mg/L**		Prep Date: **04/26/2019**		Run No: **396884**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **278201**		Analysis Date: **04/26/2019**		Seq No: **8889431**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003974	0.00020	0.0040		99.4	75	125	0.004104	3.22	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278202

Sample ID: **MB-278202**	Client ID:			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396961**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**			BatchID: **278202**	Analysis Date: **04/29/2019**	Seq No: **8891302**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-278202**	Client ID:			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396961**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**			BatchID: **278202**	Analysis Date: **04/29/2019**	Seq No: **8891303**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004779	0.00020	0.0050		95.6	80	120				

Sample ID: **1904O14-017CMS**	Client ID: **TMW-29**			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396961**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**			BatchID: **278202**	Analysis Date: **04/29/2019**	Seq No: **8891305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004848	0.00020	0.0050		97.0	75	125				

Sample ID: **1904O14-017CMSD**	Client ID: **TMW-29**			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396961**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**			BatchID: **278202**	Analysis Date: **04/29/2019**	Seq No: **8891306**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004810	0.00020	0.0050		96.2	75	125	0.004848	0.773	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278213

Sample ID: **MB-278213** Client ID: Units: **mg/L** Prep Date: **04/26/2019** Run No: **396935**
SampleType: **MBLK** TestCode: **Dissolved Metals by ICP/MS SW6020B** BatchID: **278213** Analysis Date: **04/26/2019** Seq No: **8890659**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.0500									
Arsenic	BRL	0.00500									
Barium	BRL	0.0100									
Cadmium	BRL	0.000700									
Chromium	BRL	0.00500									
Cobalt	BRL	0.00500									
Copper	BRL	0.00200									
Lead	BRL	0.00100									
Nickel	BRL	0.00500									
Selenium	BRL	0.00500									
Vanadium	BRL	0.00500									
Zinc	BRL	0.0100									

Sample ID: **LCS-278213** Client ID: Units: **mg/L** Prep Date: **04/26/2019** Run No: **396935**
SampleType: **LCS** TestCode: **Dissolved Metals by ICP/MS SW6020B** BatchID: **278213** Analysis Date: **04/26/2019** Seq No: **8890673**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.9345	0.0500	1.000		93.5	80	120				
Arsenic	0.09826	0.00500	0.1000		98.3	80	120				
Barium	0.09541	0.0100	0.1000		95.4	80	120				
Cadmium	0.09770	0.000700	0.1000		97.7	80	120				
Chromium	0.09480	0.00500	0.1000		94.8	80	120				
Cobalt	0.09925	0.00500	0.1000		99.2	80	120				
Copper	0.1003	0.00200	0.1000		100	80	120				
Lead	0.1039	0.00100	0.1000		104	80	120				
Nickel	0.09880	0.00500	0.1000		98.8	80	120				
Selenium	0.09889	0.00500	0.1000		98.9	80	120				
Vanadium	0.09552	0.00500	0.1000		95.5	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278213

Sample ID: **LCS-278213**	Client ID:		Units: **mg/L**	Prep Date: **04/26/2019**	Run No: **396935**
SampleType: **LCS**	TestCode: **Dissolved Metals by ICP/MS SW6020B**		BatchID: **278213**	Analysis Date: **04/26/2019**	Seq No: **8890673**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	0.09719	0.0100	0.1000		97.2	80	120				

Sample ID: **1904G06-006AMS**	Client ID:		Units: **mg/L**	Prep Date: **04/26/2019**	Run No: **396935**
SampleType: **MS**	TestCode: **Dissolved Metals by ICP/MS SW6020B**		BatchID: **278213**	Analysis Date: **04/26/2019**	Seq No: **8890663**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.9243	0.0500	1.000		92.4	75	125				
Arsenic	0.09548	0.00500	0.1000		95.5	75	125				
Barium	0.1077	0.0100	0.1000	0.01353	94.2	75	125				
Cadmium	0.09758	0.000700	0.1000		97.6	75	125				
Chromium	0.09444	0.00500	0.1000		94.4	75	125				
Cobalt	0.1024	0.00500	0.1000	0.004033	98.4	75	125				
Copper	0.1012	0.00200	0.1000		101	75	125				
Lead	0.1053	0.00100	0.1000		105	75	125				
Nickel	0.09929	0.00500	0.1000	0.002584	96.7	75	125				
Selenium	0.09767	0.00500	0.1000		97.7	75	125				
Vanadium	0.09439	0.00500	0.1000		94.4	75	125				
Zinc	0.09871	0.0100	0.1000		98.7	75	125				

Sample ID: **1904G06-006AMSD**	Client ID:		Units: **mg/L**	Prep Date: **04/26/2019**	Run No: **396935**
SampleType: **MSD**	TestCode: **Dissolved Metals by ICP/MS SW6020B**		BatchID: **278213**	Analysis Date: **04/26/2019**	Seq No: **8890665**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.9509	0.0500	1.000		95.1	75	125	0.9243	2.83	20	
Arsenic	0.09679	0.00500	0.1000		96.8	75	125	0.09548	1.36	20	
Barium	0.1096	0.0100	0.1000	0.01353	96.1	75	125	0.1077	1.70	20	
Cadmium	0.09686	0.000700	0.1000		96.9	75	125	0.09758	0.742	20	
Chromium	0.09591	0.00500	0.1000		95.9	75	125	0.09444	1.55	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278213

Sample ID: **1904G06-006AMSD** Client ID:
SampleType: **MSD** TestCode: **Dissolved Metals by ICP/MS SW6020B**
Units: **mg/L** Prep Date: **04/26/2019** Run No: **396935**
BatchID: **278213** Analysis Date: **04/26/2019** Seq No: **8890665**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	0.1032	0.00500	0.1000	0.004033	99.2	75	125	0.1024	0.831	20	
Copper	0.1027	0.00200	0.1000		103	75	125	0.1012	1.53	20	
Lead	0.1064	0.00100	0.1000		106	75	125	0.1053	1.12	20	
Nickel	0.1007	0.00500	0.1000	0.002584	98.1	75	125	0.09929	1.42	20	
Selenium	0.09853	0.00500	0.1000		98.5	75	125	0.09767	0.876	20	
Vanadium	0.09590	0.00500	0.1000		95.9	75	125	0.09439	1.59	20	
Zinc	0.09999	0.0100	0.1000		100.0	75	125	0.09871	1.29	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278246

Sample ID: **MB-278246** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396755**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278246** Analysis Date: **04/25/2019** Seq No: **8891082**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	51.32	0	50.00		103	64	125				
Surr: Dibromofluoromethane	51.08	0	50.00		102	76.4	125				
Surr: Toluene-d8	51.23	0	50.00		102	78.3	116				

Sample ID: **LCS-278246** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396755**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278246** Analysis Date: **04/25/2019** Seq No: **8891075**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.33	5.0	50.00		113	69.2	141				
Benzene	49.48	5.0	50.00		99.0	72.3	126				
Toluene	52.15	5.0	50.00		104	70.5	128				
Trichloroethene	50.92	5.0	50.00		102	70.3	133				
Surr: 4-Bromofluorobenzene	48.63	0	50.00		97.3	64	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278246

Sample ID: **LCS-278246** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396755**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278246** Analysis Date: **04/25/2019** Seq No: **8891075**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	50.82	0	50.00		102	76.4	125				
Surr: Toluene-d8	53.50	0	50.00		107	78.3	116				

Sample ID: **1904Q17-001AMS** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396755**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278246** Analysis Date: **04/25/2019** Seq No: **8891096**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.90	5.0	50.00		114	63.8	146				
Benzene	49.88	5.0	50.00	1.220	97.3	70.2	137				
Toluene	53.08	5.0	50.00		106	67	141				
Trichloroethene	51.51	5.0	50.00		103	69.3	141				
Surr: 4-Bromofluorobenzene	49.53	0	50.00		99.1	64	125				
Surr: Dibromofluoromethane	49.60	0	50.00		99.2	76.4	125				
Surr: Toluene-d8	54.09	0	50.00		108	78.3	116				

Sample ID: **1904Q17-001AMSD** Client ID: Units: **ug/L** Prep Date: **04/25/2019** Run No: **396755**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278246** Analysis Date: **04/25/2019** Seq No: **8891101**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	48.30	5.0	50.00		96.6	63.8	146	56.90	16.3	20.8	
Benzene	49.82	5.0	50.00	1.220	97.2	70.2	137	49.88	0.120	20	
Toluene	53.98	5.0	50.00		108	67	141	53.08	1.68	20	
Trichloroethene	52.05	5.0	50.00		104	69.3	141	51.51	1.04	17.9	
Surr: 4-Bromofluorobenzene	47.95	0	50.00		95.9	64	125	49.53	0	0	
Surr: Dibromofluoromethane	47.37	0	50.00		94.7	76.4	125	49.60	0	0	
Surr: Toluene-d8	52.32	0	50.00		105	78.3	116	54.09	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278296

Sample ID: **MB-278296**	Client ID:			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396986**
SampleType: **MBLK**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **278296**	Analysis Date: **04/29/2019**	Seq No: **8891918**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-278296**	Client ID:			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396986**
SampleType: **LCS**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **278296**	Analysis Date: **04/29/2019**	Seq No: **8891884**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004724	0.00020	0.0050		94.5	80	120				

Sample ID: **1904O14-006DMS**	Client ID: **TMW-22**			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396986**
SampleType: **MS**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **278296**	Analysis Date: **04/29/2019**	Seq No: **8891903**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004822	0.00020	0.0050		96.4	75	125				

Sample ID: **1904O14-006DMSD**	Client ID: **TMW-22**			Units: **mg/L**	Prep Date: **04/29/2019**	Run No: **396986**
SampleType: **MSD**	TestCode: **Mercury, Dissolved SW7470A**			BatchID: **278296**	Analysis Date: **04/29/2019**	Seq No: **8891906**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004845	0.00020	0.0050		96.9	7	125	0.004822	0.464	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278306

Sample ID: **MB-278306** Client ID: Units: **ug/L** Prep Date: **04/26/2019** Run No: **396919**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278306** Analysis Date: **04/26/2019** Seq No: **8890095**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	49.70	0	50.00		99.4	64	125				
Surr: Dibromofluoromethane	47.76	0	50.00		95.5	76.4	125				
Surr: Toluene-d8	51.59	0	50.00		103	78.3	116				

Sample ID: **LCS-278306** Client ID: Units: **ug/L** Prep Date: **04/26/2019** Run No: **396919**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **278306** Analysis Date: **04/26/2019** Seq No: **8890257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.56	5.0	50.00		93.1	69.2	141				
Benzene	47.55	5.0	50.00		95.1	72.3	126				
Toluene	50.26	5.0	50.00		101	70.5	128				
Trichloroethene	48.84	5.0	50.00		97.7	70.3	133				
Surr: 4-Bromofluorobenzene	46.74	0	50.00		93.5	64	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name WC Meredith
Workorder: 1904O14

ANALYTICAL QC SUMMARY REPORT

BatchID: 278306

Sample ID: **LCS-278306**	Client ID:		Units: **ug/L**	Prep Date: **04/26/2019**	Run No: **396919**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **278306**	Analysis Date: **04/26/2019**	Seq No: **8890257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	47.91	0	50.00		95.8	76.4	125				
Surr: Toluene-d8	51.81	0	50.00		104	78.3	116				

Sample ID: **1904O14-003AMS**	Client ID: **TMW-18**		Units: **ug/L**	Prep Date: **04/26/2019**	Run No: **396983**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **278306**	Analysis Date: **04/29/2019**	Seq No: **8892717**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.23	5.0	50.00		124	63.8	146				
Benzene	54.19	5.0	50.00		108	70.2	137				
Toluene	56.84	5.0	50.00		114	67	141				
Trichloroethene	54.36	5.0	50.00		109	69.3	141				
Surr: 4-Bromofluorobenzene	49.81	0	50.00		99.6	64	125				
Surr: Dibromofluoromethane	52.58	0	50.00		105	76.4	125				
Surr: Toluene-d8	55.07	0	50.00		110	78.3	116				

Sample ID: **1904O14-003AMSD**	Client ID: **TMW-18**		Units: **ug/L**	Prep Date: **04/26/2019**	Run No: **396983**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **278306**	Analysis Date: **04/29/2019**	Seq No: **8892718**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	64.63	5.0	50.00		129	63.8	146	62.23	3.78	20.8	
Benzene	54.96	5.0	50.00		110	70.2	137	54.19	1.41	20	
Toluene	58.44	5.0	50.00		117	67	141	56.84	2.78	20	
Trichloroethene	55.77	5.0	50.00		112	69.3	141	54.36	2.56	17.9	
Surr: 4-Bromofluorobenzene	49.49	0	50.00		99.0	64	125	49.81	0	0	
Surr: Dibromofluoromethane	52.86	0	50.00		106	76.4	125	52.58	0	0	
Surr: Toluene-d8	55.00	0	50.00		110	78.3	116	55.07	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 24, 2014

Kenneth C. Summerour
Envirorisk Consultants
Po Box 945
Greyson GA 30017

TEL: (770) 864-9789
FAX: (770) 864-9789

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1403D83

Analytical Environmental Services, Inc. received 9 samples on 3/14/2014 3:39:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1403083

Date: 3/14/14 Page 1 of 1

COMPANY:	ADDRESS:
ENVIRORISK CONSULTANTS, INC.	601 S. MADISON AVE. SUITE 60 MONROE, GA 30655
PHONE: 678-635-7360	FAX: 678-635-7380
SAMPLED BY: JASON CHAPPELL	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	8270	6010	6010 (Filter)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SW-5	3/14/14	11:40	✓		SW	✓	✓	✓	✓		odor, clear	6
2	SW-6		9:05	✓		SW	✓	✓	✓	✓		odor, clear	6
3	SW-7		10:25	✓		SW	✓	✓	✓	✓			6
4	SW-8		9:50	✓		SW	✓	✓	✓	✓			6
5	SED-5		11:45	✓		SE	✓	✓	✓			odor, organics	4
6	SED-6		9:10	✓		SE	✓	✓	✓			odor, organics	4
7	SED-7		10:30	✓		SE	✓	✓	✓				4
8	SED-8		9:55	✓		SE	✓	✓	✓				4
9													
10													
11													
12													
13													
14													

PRESERVATION (See codes): HNO3 | I | H2SO4 | -

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/14/14 15:39	1:	3/14/14 3:39
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: W.C. Meredith Company
PROJECT #: ER-437
SITE ADDRESS: 2335 LAWRENCE STREET EAST POINT, GEORGIA
SEND REPORT TO: Ken Summerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers:

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
PLEASE RUN MEREDITH ANALYTE LIST

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 24-Mar-14

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1403D83

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Analytical Environmental Services, Inc

Date: 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 11:40:00 AM
Lab ID:	1403D83-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Acetone	BRL	50		ug/L	188499	1	03/20/2014 21:40	GK
2-Butanone	BRL	50		ug/L	188499	1	03/20/2014 21:40	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Benzene	3.5	1.0		ug/L	188499	1	03/20/2014 21:40	GK
1,2-Dichloroethane	1.9	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Trichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Toluene	4.6	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Tetrachloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Ethylbenzene	4.8	1.0		ug/L	188499	1	03/20/2014 21:40	GK
m,p-Xylene	7.2	2.0		ug/L	188499	1	03/20/2014 21:40	GK
o-Xylene	4.2	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Styrene	BRL	1.0		ug/L	188499	1	03/20/2014 21:40	GK
1,3,5-Trimethylbenzene	3.2	1.0		ug/L	188499	1	03/20/2014 21:40	GK
1,2,4-Trimethylbenzene	9.1	1.0		ug/L	188499	1	03/20/2014 21:40	GK
Surr: 4-Bromofluorobenzene	100	66.2-120		%REC	188499	1	03/20/2014 21:40	GK
Surr: Dibromofluoromethane	106	79.5-121		%REC	188499	1	03/20/2014 21:40	GK
Surr: Toluene-d8	98.6	77-117		%REC	188499	1	03/20/2014 21:40	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	16	10		ug/L	188437	1	03/19/2014 17:51	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
2,4-Dimethylphenol	180	100		ug/L	188437	10	03/20/2014 18:49	YH
2,4-Dinitrophenol	BRL	25		ug/L	188437	1	03/19/2014 17:51	YH
2-Chlorophenol	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
2-Methylnaphthalene	110	10		ug/L	188437	1	03/19/2014 17:51	YH
2-Methylphenol	160	10		ug/L	188437	1	03/19/2014 17:51	YH
3,4-Methylphenol	310	100		ug/L	188437	10	03/20/2014 18:49	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Acenaphthene	180	100		ug/L	188437	10	03/20/2014 18:49	YH
Acenaphthylene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Anthracene	13	10		ug/L	188437	1	03/19/2014 17:51	YH
Benz(a)anthracene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Benzo(a)pyrene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Benzo(b)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Benzo(k)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Carbazole	120	10		ug/L	188437	1	03/19/2014 17:51	YH
Chrysene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Dibenzofuran	100	10		ug/L	188437	1	03/19/2014 17:51	YH
Fluoranthene	21	10		ug/L	188437	1	03/19/2014 17:51	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-5
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 11:40:00 AM
Lab ID:	1403D83-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	110	10		ug/L	188437	1	03/19/2014 17:51	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Naphthalene	570	100		ug/L	188437	10	03/20/2014 18:49	YH
Pentachlorophenol	BRL	250		ug/L	188437	10	03/20/2014 18:49	YH
Phenanthrene	150	100		ug/L	188437	10	03/20/2014 18:49	YH
Phenol	31	10		ug/L	188437	1	03/19/2014 17:51	YH
Pyrene	BRL	10		ug/L	188437	1	03/19/2014 17:51	YH
Surr: 2,4,6-Tribromophenol	91.6	51.5-124		%REC	188437	1	03/19/2014 17:51	YH
Surr: 2-Fluorobiphenyl	76.7	51.7-118		%REC	188437	1	03/19/2014 17:51	YH
Surr: 2-Fluorophenol	52.3	26-120		%REC	188437	1	03/19/2014 17:51	YH
Surr: 4-Terphenyl-d14	77.3	45.2-137		%REC	188437	1	03/19/2014 17:51	YH
Surr: Nitrobenzene-d5	74.6	42-120		%REC	188437	1	03/19/2014 17:51	YH
Surr: Phenol-d5	44.6	12.3-120		%REC	188437	1	03/19/2014 17:51	YH
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	188521	1	03/19/2014 21:30	JL
Barium	0.0743	0.0200		mg/L	188521	1	03/19/2014 21:30	JL
Cadmium	BRL	0.0050		mg/L	188521	1	03/19/2014 21:30	JL
Chromium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:30	JL
Cobalt	BRL	0.0200		mg/L	188521	1	03/19/2014 21:30	JL
Copper	BRL	0.0100		mg/L	188521	1	03/19/2014 21:30	JL
Lead	BRL	0.0100		mg/L	188521	1	03/19/2014 21:30	JL
Nickel	BRL	0.0200		mg/L	188521	1	03/19/2014 21:30	JL
Selenium	BRL	0.0200		mg/L	188521	1	03/19/2014 21:30	JL
Vanadium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:30	JL
Zinc	BRL	0.0200		mg/L	188521	1	03/19/2014 21:30	JL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	188421	1	03/19/2014 18:05	JL
Barium	0.0914	0.0200		mg/L	188421	1	03/19/2014 18:05	JL
Cadmium	BRL	0.0050		mg/L	188421	1	03/19/2014 18:05	JL
Chromium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:05	JL
Cobalt	BRL	0.0200		mg/L	188421	1	03/19/2014 18:05	JL
Copper	BRL	0.0100		mg/L	188421	1	03/19/2014 18:05	JL
Lead	BRL	0.0100		mg/L	188421	1	03/19/2014 18:05	JL
Nickel	BRL	0.0200		mg/L	188421	1	03/19/2014 18:05	JL
Selenium	BRL	0.0200		mg/L	188421	1	03/19/2014 18:05	JL
Vanadium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:05	JL
Zinc	0.0324	0.0200		mg/L	188421	1	03/19/2014 18:05	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:05:00 AM
Lab ID:	1403D83-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Acetone	BRL	50		ug/L	188499	1	03/20/2014 22:08	GK
2-Butanone	BRL	50		ug/L	188499	1	03/20/2014 22:08	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Benzene	1.4	1.0		ug/L	188499	1	03/20/2014 22:08	GK
1,2-Dichloroethane	1.9	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Trichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Toluene	1.7	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Tetrachloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Ethylbenzene	1.6	1.0		ug/L	188499	1	03/20/2014 22:08	GK
m,p-Xylene	2.4	2.0		ug/L	188499	1	03/20/2014 22:08	GK
o-Xylene	1.6	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Styrene	BRL	1.0		ug/L	188499	1	03/20/2014 22:08	GK
1,3,5-Trimethylbenzene	1.2	1.0		ug/L	188499	1	03/20/2014 22:08	GK
1,2,4-Trimethylbenzene	2.9	1.0		ug/L	188499	1	03/20/2014 22:08	GK
Surr: 4-Bromofluorobenzene	99.1	66.2-120		%REC	188499	1	03/20/2014 22:08	GK
Surr: Dibromofluoromethane	103	79.5-121		%REC	188499	1	03/20/2014 22:08	GK
Surr: Toluene-d8	96.8	77-117		%REC	188499	1	03/20/2014 22:08	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	10	10		ug/L	188437	1	03/19/2014 18:16	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
2,4-Dimethylphenol	110	10		ug/L	188437	1	03/19/2014 18:16	YH
2,4-Dinitrophenol	BRL	25		ug/L	188437	1	03/19/2014 18:16	YH
2-Chlorophenol	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
2-Methylnaphthalene	30	10		ug/L	188437	1	03/19/2014 18:16	YH
2-Methylphenol	97	10		ug/L	188437	1	03/19/2014 18:16	YH
3,4-Methylphenol	140	10		ug/L	188437	1	03/19/2014 18:16	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Acenaphthene	110	10		ug/L	188437	1	03/19/2014 18:16	YH
Acenaphthylene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Benz(a)anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Benzo(a)pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Benzo(b)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Benzo(k)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Carbazole	73	10		ug/L	188437	1	03/19/2014 18:16	YH
Chrysene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Dibenzofuran	66	10		ug/L	188437	1	03/19/2014 18:16	YH
Fluoranthene	15	10		ug/L	188437	1	03/19/2014 18:16	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-6
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:05:00 AM
Lab ID:	1403D83-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	76	10		ug/L	188437	1	03/19/2014 18:16	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Naphthalene	36	10		ug/L	188437	1	03/19/2014 18:16	YH
Pentachlorophenol	150	25		ug/L	188437	1	03/19/2014 18:16	YH
Phenanthrene	76	10		ug/L	188437	1	03/19/2014 18:16	YH
Phenol	14	10		ug/L	188437	1	03/19/2014 18:16	YH
Pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:16	YH
Surr: 2,4,6-Tribromophenol	103	51.5-124		%REC	188437	1	03/19/2014 18:16	YH
Surr: 2-Fluorobiphenyl	83	51.7-118		%REC	188437	1	03/19/2014 18:16	YH
Surr: 2-Fluorophenol	57.8	26-120		%REC	188437	1	03/19/2014 18:16	YH
Surr: 4-Terphenyl-d14	86.6	45.2-137		%REC	188437	1	03/19/2014 18:16	YH
Surr: Nitrobenzene-d5	83.3	42-120		%REC	188437	1	03/19/2014 18:16	YH
Surr: Phenol-d5	45.3	12.3-120		%REC	188437	1	03/19/2014 18:16	YH
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	188521	1	03/19/2014 21:34	JL
Barium	0.0685	0.0200		mg/L	188521	1	03/19/2014 21:34	JL
Cadmium	BRL	0.0050		mg/L	188521	1	03/19/2014 21:34	JL
Chromium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:34	JL
Cobalt	BRL	0.0200		mg/L	188521	1	03/19/2014 21:34	JL
Copper	BRL	0.0100		mg/L	188521	1	03/19/2014 21:34	JL
Lead	BRL	0.0100		mg/L	188521	1	03/19/2014 21:34	JL
Nickel	BRL	0.0200		mg/L	188521	1	03/19/2014 21:34	JL
Selenium	BRL	0.0200		mg/L	188521	1	03/19/2014 21:34	JL
Vanadium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:34	JL
Zinc	BRL	0.0200		mg/L	188521	1	03/19/2014 21:34	JL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	188421	1	03/19/2014 18:09	JL
Barium	0.0845	0.0200		mg/L	188421	1	03/19/2014 18:09	JL
Cadmium	BRL	0.0050		mg/L	188421	1	03/19/2014 18:09	JL
Chromium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:09	JL
Cobalt	BRL	0.0200		mg/L	188421	1	03/19/2014 18:09	JL
Copper	BRL	0.0100		mg/L	188421	1	03/19/2014 18:09	JL
Lead	BRL	0.0100		mg/L	188421	1	03/19/2014 18:09	JL
Nickel	BRL	0.0200		mg/L	188421	1	03/19/2014 18:09	JL
Selenium	BRL	0.0200		mg/L	188421	1	03/19/2014 18:09	JL
Vanadium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:09	JL
Zinc	0.0219	0.0200		mg/L	188421	1	03/19/2014 18:09	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 10:25:00 AM
Lab ID:	1403D83-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Acetone	BRL	50		ug/L	188499	1	03/20/2014 17:35	GK
2-Butanone	BRL	50		ug/L	188499	1	03/20/2014 17:35	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Benzene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
1,2-Dichloroethane	4.3	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Trichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Toluene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Tetrachloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Ethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
m,p-Xylene	BRL	2.0		ug/L	188499	1	03/20/2014 17:35	GK
o-Xylene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Styrene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 17:35	GK
Surr: 4-Bromofluorobenzene	94.7	66.2-120		%REC	188499	1	03/20/2014 17:35	GK
Surr: Dibromofluoromethane	105	79.5-121		%REC	188499	1	03/20/2014 17:35	GK
Surr: Toluene-d8	97.7	77-117		%REC	188499	1	03/20/2014 17:35	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
2,4-Dimethylphenol	33	10		ug/L	188437	1	03/19/2014 18:41	YH
2,4-Dinitrophenol	BRL	25		ug/L	188437	1	03/19/2014 18:41	YH
2-Chlorophenol	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
2-Methylnaphthalene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
2-Methylphenol	24	10		ug/L	188437	1	03/19/2014 18:41	YH
3,4-Methylphenol	26	10		ug/L	188437	1	03/19/2014 18:41	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Acenaphthene	40	10		ug/L	188437	1	03/19/2014 18:41	YH
Acenaphthylene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Benz(a)anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Benzo(a)pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Benzo(b)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Benzo(k)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Carbazole	16	10		ug/L	188437	1	03/19/2014 18:41	YH
Chrysene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Dibenzofuran	21	10		ug/L	188437	1	03/19/2014 18:41	YH
Fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-7
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 10:25:00 AM
Lab ID:	1403D83-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	28	10		ug/L	188437	1	03/19/2014 18:41	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Naphthalene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Pentachlorophenol	58	25		ug/L	188437	1	03/19/2014 18:41	YH
Phenanthrene	15	10		ug/L	188437	1	03/19/2014 18:41	YH
Phenol	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Pyrene	BRL	10		ug/L	188437	1	03/19/2014 18:41	YH
Surr: 2,4,6-Tribromophenol	106	51.5-124		%REC	188437	1	03/19/2014 18:41	YH
Surr: 2-Fluorobiphenyl	88.4	51.7-118		%REC	188437	1	03/19/2014 18:41	YH
Surr: 2-Fluorophenol	61.6	26-120		%REC	188437	1	03/19/2014 18:41	YH
Surr: 4-Terphenyl-d14	90.2	45.2-137		%REC	188437	1	03/19/2014 18:41	YH
Surr: Nitrobenzene-d5	87.1	42-120		%REC	188437	1	03/19/2014 18:41	YH
Surr: Phenol-d5	46.8	12.3-120		%REC	188437	1	03/19/2014 18:41	YH
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	188521	1	03/19/2014 21:37	JL
Barium	0.0640	0.0200		mg/L	188521	1	03/19/2014 21:37	JL
Cadmium	BRL	0.0050		mg/L	188521	1	03/19/2014 21:37	JL
Chromium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:37	JL
Cobalt	BRL	0.0200		mg/L	188521	1	03/19/2014 21:37	JL
Copper	BRL	0.0100		mg/L	188521	1	03/19/2014 21:37	JL
Lead	BRL	0.0100		mg/L	188521	1	03/19/2014 21:37	JL
Nickel	BRL	0.0200		mg/L	188521	1	03/19/2014 21:37	JL
Selenium	BRL	0.0200		mg/L	188521	1	03/19/2014 21:37	JL
Vanadium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:37	JL
Zinc	BRL	0.0200		mg/L	188521	1	03/19/2014 21:37	JL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	188421	1	03/19/2014 18:13	JL
Barium	0.0735	0.0200		mg/L	188421	1	03/19/2014 18:13	JL
Cadmium	BRL	0.0050		mg/L	188421	1	03/19/2014 18:13	JL
Chromium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:13	JL
Cobalt	BRL	0.0200		mg/L	188421	1	03/19/2014 18:13	JL
Copper	BRL	0.0100		mg/L	188421	1	03/19/2014 18:13	JL
Lead	BRL	0.0100		mg/L	188421	1	03/19/2014 18:13	JL
Nickel	BRL	0.0200		mg/L	188421	1	03/19/2014 18:13	JL
Selenium	BRL	0.0200		mg/L	188421	1	03/19/2014 18:13	JL
Vanadium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:13	JL
Zinc	BRL	0.0200		mg/L	188421	1	03/19/2014 18:13	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:50:00 AM
Lab ID:	1403D83-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Acetone	BRL	50		ug/L	188499	1	03/20/2014 18:03	GK
2-Butanone	BRL	50		ug/L	188499	1	03/20/2014 18:03	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Benzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
1,2-Dichloroethane	4.4	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Trichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Toluene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Tetrachloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Ethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
m,p-Xylene	BRL	2.0		ug/L	188499	1	03/20/2014 18:03	GK
o-Xylene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Styrene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:03	GK
Surr: 4-Bromofluorobenzene	93	66.2-120		%REC	188499	1	03/20/2014 18:03	GK
Surr: Dibromofluoromethane	106	79.5-121		%REC	188499	1	03/20/2014 18:03	GK
Surr: Toluene-d8	98.6	77-117		%REC	188499	1	03/20/2014 18:03	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
2,4-Dimethylphenol	12	10		ug/L	188437	1	03/19/2014 19:06	YH
2,4-Dinitrophenol	BRL	25		ug/L	188437	1	03/19/2014 19:06	YH
2-Chlorophenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
2-Methylnaphthalene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
2-Methylphenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
3,4-Methylphenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Acenaphthene	18	10		ug/L	188437	1	03/19/2014 19:06	YH
Acenaphthylene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Anthracene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Benz(a)anthracene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Benzo(a)pyrene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Benzo(b)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Benzo(k)fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Carbazole	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Chrysene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Dibenzofuran	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Fluoranthene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SW-8
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:50:00 AM
Lab ID:	1403D83-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	14	10		ug/L	188437	1	03/19/2014 19:06	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Naphthalene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Pentachlorophenol	BRL	25		ug/L	188437	1	03/19/2014 19:06	YH
Phenanthrene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Phenol	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Pyrene	BRL	10		ug/L	188437	1	03/19/2014 19:06	YH
Surr: 2,4,6-Tribromophenol	107	51.5-124		%REC	188437	1	03/19/2014 19:06	YH
Surr: 2-Fluorobiphenyl	86.8	51.7-118		%REC	188437	1	03/19/2014 19:06	YH
Surr: 2-Fluorophenol	62.8	26-120		%REC	188437	1	03/19/2014 19:06	YH
Surr: 4-Terphenyl-d14	90.8	45.2-137		%REC	188437	1	03/19/2014 19:06	YH
Surr: Nitrobenzene-d5	87.6	42-120		%REC	188437	1	03/19/2014 19:06	YH
Surr: Phenol-d5	48.7	12.3-120		%REC	188437	1	03/19/2014 19:06	YH
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	188521	1	03/19/2014 21:41	JL
Barium	0.0579	0.0200		mg/L	188521	1	03/19/2014 21:41	JL
Cadmium	BRL	0.0050		mg/L	188521	1	03/19/2014 21:41	JL
Chromium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:41	JL
Cobalt	0.0230	0.0200		mg/L	188521	1	03/19/2014 21:41	JL
Copper	BRL	0.0100		mg/L	188521	1	03/19/2014 21:41	JL
Lead	BRL	0.0100		mg/L	188521	1	03/19/2014 21:41	JL
Nickel	BRL	0.0200		mg/L	188521	1	03/19/2014 21:41	JL
Selenium	BRL	0.0200		mg/L	188521	1	03/19/2014 21:41	JL
Vanadium	BRL	0.0100		mg/L	188521	1	03/19/2014 21:41	JL
Zinc	BRL	0.0200		mg/L	188521	1	03/19/2014 21:41	JL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	188421	1	03/19/2014 18:17	JL
Barium	0.0450	0.0200		mg/L	188421	1	03/19/2014 18:17	JL
Cadmium	BRL	0.0050		mg/L	188421	1	03/19/2014 18:17	JL
Chromium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:17	JL
Cobalt	BRL	0.0200		mg/L	188421	1	03/19/2014 18:17	JL
Copper	BRL	0.0100		mg/L	188421	1	03/19/2014 18:17	JL
Lead	BRL	0.0100		mg/L	188421	1	03/19/2014 18:17	JL
Nickel	BRL	0.0200		mg/L	188421	1	03/19/2014 18:17	JL
Selenium	BRL	0.0200		mg/L	188421	1	03/19/2014 18:17	JL
Vanadium	BRL	0.0100		mg/L	188421	1	03/19/2014 18:17	JL
Zinc	BRL	0.0200		mg/L	188421	1	03/19/2014 18:17	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 11:45:00 AM
Lab ID:	1403D83-005	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Acetone	BRL	200		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
2-Butanone	BRL	100		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
1,1,1-Trichloroethane	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Benzene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
1,2-Dichloroethane	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Trichloroethene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Toluene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Tetrachloroethene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Ethylbenzene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
m,p-Xylene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
o-Xylene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Styrene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
1,3,5-Trimethylbenzene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
1,2,4-Trimethylbenzene	BRL	10		ug/Kg-dry	188426	1	03/21/2014 01:04	MD
Surr: 4-Bromofluorobenzene	103	70-128		%REC	188426	1	03/21/2014 01:04	MD
Surr: Dibromofluoromethane	114	78.2-128		%REC	188426	1	03/21/2014 01:04	MD
Surr: Toluene-d8	86.9	76.5-116		%REC	188426	1	03/21/2014 01:04	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2,4,6-Trichlorophenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2,4-Dimethylphenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2,4-Dinitrophenol	BRL	2800		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2-Chlorophenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2-Methylnaphthalene	1500	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
2-Methylphenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
3,4-Methylphenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
4-Chloro-3-methylphenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Acenaphthene	12000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Acenaphthylene	2000	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Anthracene	11000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Benz(a)anthracene	17000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Benzo(a)pyrene	7300	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Benzo(b)fluoranthene	11000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Benzo(k)fluoranthene	3300	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Carbazole	1700	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Chrysene	17000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Dibenz(a,h)anthracene	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Dibenzofuran	6000	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Fluoranthene	69000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-5
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 11:45:00 AM
Lab ID:	1403D83-005	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	15000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Indeno(1,2,3-cd)pyrene	2600	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Naphthalene	1500	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Pentachlorophenol	BRL	28000		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Phenanthrene	57000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Phenol	BRL	550		ug/Kg-dry	188471	1	03/20/2014 17:07	YH
Pyrene	42000	5500		ug/Kg-dry	188471	10	03/20/2014 19:15	YH
Surr: 2,4,6-Tribromophenol	73.1	40.2-120		%REC	188471	1	03/20/2014 17:07	YH
Surr: 2-Fluorobiphenyl	67.9	45.6-120		%REC	188471	1	03/20/2014 17:07	YH
Surr: 2-Fluorophenol	67.8	35.2-120		%REC	188471	1	03/20/2014 17:07	YH
Surr: 4-Terphenyl-d14	73.5	51-121		%REC	188471	1	03/20/2014 17:07	YH
Surr: Nitrobenzene-d5	70.7	37.8-120		%REC	188471	1	03/20/2014 17:07	YH
Surr: Phenol-d5	76.6	39.9-120		%REC	188471	1	03/20/2014 17:07	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Barium	133	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Cadmium	BRL	3.85		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Chromium	78.5	3.85		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Cobalt	9.66	3.85		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Copper	49.6	3.85		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Lead	66.1	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Nickel	13.0	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Selenium	BRL	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Vanadium	53.3	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
Zinc	192	7.70		mg/Kg-dry	188430	1	03/20/2014 20:20	JL
PERCENT MOISTURE D2216								
Percent Moisture	40.4	0		wt%	R263829	1	03/21/2014 09:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:10:00 AM
Lab ID:	1403D83-006	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Acetone	BRL	230		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
2-Butanone	BRL	120		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
1,1,1-Trichloroethane	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Benzene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
1,2-Dichloroethane	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Trichloroethene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Toluene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Tetrachloroethene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Ethylbenzene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
m,p-Xylene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
o-Xylene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Styrene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
1,3,5-Trimethylbenzene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
1,2,4-Trimethylbenzene	BRL	12		ug/Kg-dry	188426	1	03/21/2014 01:31	MD
Surr: 4-Bromofluorobenzene	100	70-128		%REC	188426	1	03/21/2014 01:31	MD
Surr: Dibromofluoromethane	103	78.2-128		%REC	188426	1	03/21/2014 01:31	MD
Surr: Toluene-d8	90.8	76.5-116		%REC	188426	1	03/21/2014 01:31	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2,4,6-Trichlorophenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2,4-Dimethylphenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2,4-Dinitrophenol	BRL	2700		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2-Chlorophenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2-Methylnaphthalene	1100	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
2-Methylphenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
3,4-Methylphenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
4-Chloro-3-methylphenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Acenaphthene	17000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Acenaphthylene	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Anthracene	24000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Benz(a)anthracene	2500	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Benzo(a)pyrene	1000	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Benzo(b)fluoranthene	1700	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Benzo(k)fluoranthene	540	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Carbazole	22000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Chrysene	3600	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Dibenz(a,h)anthracene	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Dibenzofuran	15000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Fluoranthene	22000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-6
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:10:00 AM
Lab ID:	1403D83-006	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	32000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Indeno(1,2,3-cd)pyrene	530	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Naphthalene	1500	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Pentachlorophenol	BRL	2700		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Phenanthrene	24000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Phenol	BRL	530		ug/Kg-dry	188471	1	03/21/2014 23:21	YH
Pyrene	12000	5300		ug/Kg-dry	188471	10	03/20/2014 17:32	YH
Surr: 2,4,6-Tribromophenol	71	40.2-120		%REC	188471	1	03/21/2014 23:21	YH
Surr: 2-Fluorobiphenyl	61.2	45.6-120		%REC	188471	1	03/21/2014 23:21	YH
Surr: 2-Fluorophenol	55.6	35.2-120		%REC	188471	1	03/21/2014 23:21	YH
Surr: 4-Terphenyl-d14	63.3	51-121		%REC	188471	1	03/21/2014 23:21	YH
Surr: Nitrobenzene-d5	58.3	37.8-120		%REC	188471	1	03/21/2014 23:21	YH
Surr: Phenol-d5	57.8	39.9-120		%REC	188471	1	03/21/2014 23:21	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Barium	95.1	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Cadmium	BRL	3.67		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Chromium	16.8	3.67		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Cobalt	19.7	3.67		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Copper	20.7	3.67		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Lead	28.4	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Nickel	8.85	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Selenium	BRL	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Vanadium	26.3	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
Zinc	127	7.35		mg/Kg-dry	188430	1	03/20/2014 20:24	JL
PERCENT MOISTURE D2216								
Percent Moisture	37.6	0		wt%	R263829	1	03/21/2014 09:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 10:30:00 AM
Lab ID:	1403D83-007	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Acetone	BRL	270		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
2-Butanone	BRL	130		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
1,1,1-Trichloroethane	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Benzene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
1,2-Dichloroethane	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Trichloroethene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Toluene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Tetrachloroethene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Ethylbenzene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
m,p-Xylene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
o-Xylene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Styrene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
1,3,5-Trimethylbenzene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
1,2,4-Trimethylbenzene	BRL	13		ug/Kg-dry	188451	1	03/17/2014 19:34	MD
Surr: 4-Bromofluorobenzene	94.2	70-128		%REC	188451	1	03/17/2014 19:34	MD
Surr: Dibromofluoromethane	111	78.2-128		%REC	188451	1	03/17/2014 19:34	MD
Surr: Toluene-d8	96.4	76.5-116		%REC	188451	1	03/17/2014 19:34	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2,4,6-Trichlorophenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2,4-Dimethylphenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2,4-Dinitrophenol	BRL	3200		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2-Chlorophenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2-Methylnaphthalene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
2-Methylphenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
3,4-Methylphenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
4-Chloro-3-methylphenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Acenaphthene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Acenaphthylene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Anthracene	670	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Benz(a)anthracene	1900	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Benzo(a)pyrene	2100	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Benzo(b)fluoranthene	4200	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Benzo(k)fluoranthene	1200	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Carbazole	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Chrysene	2400	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Dibenz(a,h)anthracene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Dibenzofuran	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Fluoranthene	3500	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-7
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 10:30:00 AM
Lab ID:	1403D83-007	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Indeno(1,2,3-cd)pyrene	1400	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Naphthalene	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Pentachlorophenol	BRL	3200		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Phenanthrene	650	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Phenol	BRL	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Pyrene	2700	630		ug/Kg-dry	188471	1	03/20/2014 17:58	YH
Surr: 2,4,6-Tribromophenol	78.2	40.2-120		%REC	188471	1	03/20/2014 17:58	YH
Surr: 2-Fluorobiphenyl	66	45.6-120		%REC	188471	1	03/20/2014 17:58	YH
Surr: 2-Fluorophenol	60.8	35.2-120		%REC	188471	1	03/20/2014 17:58	YH
Surr: 4-Terphenyl-d14	69.5	51-121		%REC	188471	1	03/20/2014 17:58	YH
Surr: Nitrobenzene-d5	63.4	37.8-120		%REC	188471	1	03/20/2014 17:58	YH
Surr: Phenol-d5	70.5	39.9-120		%REC	188471	1	03/20/2014 17:58	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Barium	109	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Cadmium	BRL	4.68		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Chromium	67.7	4.68		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Cobalt	103	4.68		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Copper	50.8	4.68		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Lead	172	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Nickel	26.2	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Selenium	BRL	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Vanadium	83.3	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
Zinc	336	9.35		mg/Kg-dry	188430	1	03/20/2014 20:28	JL
PERCENT MOISTURE D2216								
Percent Moisture	47.8	0		wt%	R263829	1	03/21/2014 09:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:55:00 AM
Lab ID:	1403D83-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Acetone	BRL	130		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
2-Butanone	BRL	63		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
1,1,1-Trichloroethane	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Benzene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
1,2-Dichloroethane	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Trichloroethene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Toluene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Tetrachloroethene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Ethylbenzene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
m,p-Xylene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
o-Xylene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Styrene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
1,3,5-Trimethylbenzene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
1,2,4-Trimethylbenzene	BRL	6.3		ug/Kg-dry	188451	1	03/17/2014 20:04	MD
Surr: 4-Bromofluorobenzene	99.8	70-128		%REC	188451	1	03/17/2014 20:04	MD
Surr: Dibromofluoromethane	114	78.2-128		%REC	188451	1	03/17/2014 20:04	MD
Surr: Toluene-d8	100	76.5-116		%REC	188451	1	03/17/2014 20:04	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
2-Methylphenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
3,4-Methylphenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Acenaphthene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Acenaphthylene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Anthracene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Benz(a)anthracene	570	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Benzo(b)fluoranthene	670	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Carbazole	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Chrysene	520	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Dibenzofuran	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Fluoranthene	2400	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	SED-8
Project Name:	WC Meredith	**Collection Date:**	3/14/2014 9:55:00 AM
Lab ID:	1403D83-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Naphthalene	460	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Phenanthrene	520	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Phenol	BRL	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Pyrene	1400	410		ug/Kg-dry	188471	1	03/21/2014 23:51	YH
Surr: 2,4,6-Tribromophenol	91.3	40.2-120		%REC	188471	1	03/21/2014 23:51	YH
Surr: 2-Fluorobiphenyl	79.3	45.6-120		%REC	188471	1	03/21/2014 23:51	YH
Surr: 2-Fluorophenol	71.3	35.2-120		%REC	188471	1	03/21/2014 23:51	YH
Surr: 4-Terphenyl-d14	81	51-121		%REC	188471	1	03/21/2014 23:51	YH
Surr: Nitrobenzene-d5	72.5	37.8-120		%REC	188471	1	03/21/2014 23:51	YH
Surr: Phenol-d5	75.1	39.9-120		%REC	188471	1	03/21/2014 23:51	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Barium	21.1	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Cadmium	BRL	3.06		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Chromium	60.9	3.06		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Cobalt	BRL	3.06		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Copper	9.29	3.06		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Lead	10.4	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Nickel	BRL	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Selenium	BRL	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Vanadium	14.6	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
Zinc	30.2	6.12		mg/Kg-dry	188430	1	03/20/2014 20:32	JL
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R263829	1	03/21/2014 09:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 24-Mar-14

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	3/14/2014
Lab ID:	1403D83-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Acetone	BRL	50		ug/L	188499	1	03/20/2014 18:30	GK
2-Butanone	BRL	50		ug/L	188499	1	03/20/2014 18:30	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Benzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
1,2-Dichloroethane	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Trichloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Toluene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Tetrachloroethene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Ethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
m,p-Xylene	BRL	2.0		ug/L	188499	1	03/20/2014 18:30	GK
o-Xylene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Styrene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	188499	1	03/20/2014 18:30	GK
Surr: 4-Bromofluorobenzene	94.3	66.2-120		%REC	188499	1	03/20/2014 18:30	GK
Surr: Dibromofluoromethane	104	79.5-121		%REC	188499	1	03/20/2014 18:30	GK
Surr: Toluene-d8	96.5	77-117		%REC	188499	1	03/20/2014 18:30	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Envirotech Work Order Number 1403083

Checklist completed by NJ 3/14/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes __ ✓ No __ Not Applicable __

Adjusted? _____ Checked by MS

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Envirorisk Consultants
Project: WC Meredith
Lab Order: 1403D83

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1403D83-001A	SW-5	3/14/2014 11:40:00AM	Surface Water	Volatile Organic Compounds by GC/MS		03/18/2014	03/20/2014
1403D83-001B	SW-5	3/14/2014 11:40:00AM	Surface Water	TOTAL METALS BY ICP		03/18/2014	03/19/2014
1403D83-001C	SW-5	3/14/2014 11:40:00AM	Surface Water	DISSOLVED METALS BY ICP		03/19/2014	03/19/2014
1403D83-001D	SW-5	3/14/2014 11:40:00AM	Surface Water	Semivolatile Org. Comp. by GC/MS		03/18/2014	03/19/2014
1403D83-001D	SW-5	3/14/2014 11:40:00AM	Surface Water	Semivolatile Org. Comp. by GC/MS		03/18/2014	03/20/2014
1403D83-002A	SW-6	3/14/2014 9:05:00AM	Surface Water	Volatile Organic Compounds by GC/MS		03/18/2014	03/20/2014
1403D83-002B	SW-6	3/14/2014 9:05:00AM	Surface Water	TOTAL METALS BY ICP		03/18/2014	03/19/2014
1403D83-002C	SW-6	3/14/2014 9:05:00AM	Surface Water	DISSOLVED METALS BY ICP		03/19/2014	03/19/2014
1403D83-002D	SW-6	3/14/2014 9:05:00AM	Surface Water	Semivolatile Org. Comp. by GC/MS		03/18/2014	03/19/2014
1403D83-003A	SW-7	3/14/2014 10:25:00AM	Surface Water	Volatile Organic Compounds by GC/MS		03/18/2014	03/20/2014
1403D83-003B	SW-7	3/14/2014 10:25:00AM	Surface Water	TOTAL METALS BY ICP		03/18/2014	03/19/2014
1403D83-003C	SW-7	3/14/2014 10:25:00AM	Surface Water	DISSOLVED METALS BY ICP		03/19/2014	03/19/2014
1403D83-003D	SW-7	3/14/2014 10:25:00AM	Surface Water	Semivolatile Org. Comp. by GC/MS		03/18/2014	03/19/2014
1403D83-004A	SW-8	3/14/2014 9:50:00AM	Surface Water	Volatile Organic Compounds by GC/MS		03/18/2014	03/20/2014
1403D83-004B	SW-8	3/14/2014 9:50:00AM	Surface Water	TOTAL METALS BY ICP		03/18/2014	03/19/2014
1403D83-004C	SW-8	3/14/2014 9:50:00AM	Surface Water	DISSOLVED METALS BY ICP		03/19/2014	03/19/2014
1403D83-004D	SW-8	3/14/2014 9:50:00AM	Surface Water	Semivolatile Org. Comp. by GC/MS		03/18/2014	03/19/2014
1403D83-005A	SED-5	3/14/2014 11:45:00AM	Sediment	Volatile Organic Compounds by GC/MS		03/17/2014	03/21/2014
1403D83-005B	SED-5	3/14/2014 11:45:00AM	Sediment	TOTAL METALS BY ICP		03/20/2014	03/20/2014
1403D83-005B	SED-5	3/14/2014 11:45:00AM	Sediment	Semivolatile Org. Comp. by GC/MS		03/19/2014	03/20/2014
1403D83-005B	SED-5	3/14/2014 11:45:00AM	Sediment	PERCENT MOISTURE			03/21/2014
1403D83-006A	SED-6	3/14/2014 9:10:00AM	Sediment	Volatile Organic Compounds by GC/MS		03/17/2014	03/21/2014
1403D83-006B	SED-6	3/14/2014 9:10:00AM	Sediment	TOTAL METALS BY ICP		03/20/2014	03/20/2014
1403D83-006B	SED-6	3/14/2014 9:10:00AM	Sediment	Semivolatile Org. Comp. by GC/MS		03/19/2014	03/20/2014
1403D83-006B	SED-6	3/14/2014 9:10:00AM	Sediment	Semivolatile Org. Comp. by GC/MS		03/19/2014	03/21/2014
1403D83-006B	SED-6	3/14/2014 9:10:00AM	Sediment	PERCENT MOISTURE			03/21/2014
1403D83-007A	SED-7	3/14/2014 10:30:00AM	Sediment	Volatile Organic Compounds by GC/MS		03/17/2014	03/17/2014
1403D83-007B	SED-7	3/14/2014 10:30:00AM	Sediment	TOTAL METALS BY ICP		03/20/2014	03/20/2014
1403D83-007B	SED-7	3/14/2014 10:30:00AM	Sediment	Semivolatile Org. Comp. by GC/MS		03/19/2014	03/20/2014

Analytical Environmental Services, Inc

Date: 24-Mar-14

Client: Envirorisk Consultants
Project: WC Meredith
Lab Order: 1403D83

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1403D83-007B	SED-7	3/14/2014 10:30:00AM	Sediment	PERCENT MOISTURE			03/21/2014
1403D83-008A	SED-8	3/14/2014 9:55:00AM	Sediment	Volatile Organic Compounds by GC/MS		03/17/2014	03/17/2014
1403D83-008B	SED-8	3/14/2014 9:55:00AM	Sediment	TOTAL METALS BY ICP		03/20/2014	03/20/2014
1403D83-008B	SED-8	3/14/2014 9:55:00AM	Sediment	Semivolatile Org. Comp. by GC/MS		03/19/2014	03/21/2014
1403D83-008B	SED-8	3/14/2014 9:55:00AM	Sediment	PERCENT MOISTURE			03/21/2014
1403D83-009A	TRIP BLANK	3/14/2014 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		03/18/2014	03/20/2014

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188421

Sample ID: **MB-188421** Client ID: Units: **mg/L** Prep Date: **03/18/2014** Run No: **263617**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **188421** Analysis Date: **03/19/2014** Seq No: **5546108**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-188421** Client ID: Units: **mg/L** Prep Date: **03/18/2014** Run No: **263617**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **188421** Analysis Date: **03/19/2014** Seq No: **5546105**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9978	0.0500	1.000		99.8	80	120				
Barium	1.068	0.0200	1.000		107	80	120				
Cadmium	1.091	0.0050	1.000		109	80	120				
Chromium	0.9841	0.0100	1.000		98.4	80	120				
Cobalt	1.053	0.0200	1.000		105	80	120				
Copper	1.037	0.0100	1.000		104	80	120				
Lead	1.046	0.0100	1.000		105	80	120				
Nickel	1.070	0.0200	1.000		107	80	120				
Selenium	0.9749	0.0200	1.000		97.5	80	120				
Vanadium	1.024	0.0100	1.000		102	80	120				
Zinc	1.089	0.0200	1.000		109	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188421

Sample ID: **1403A85-003EMS** Client ID: **MW-7R-20140312-01** Units: **mg/L** Prep Date: **03/18/2014** Run No: **263617**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **188421** Analysis Date: **03/19/2014** Seq No: **5546112**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.002	0.0500	1.000		100	75	125				
Barium	1.022	0.0200	1.000	0.02366	99.9	75	125				
Cadmium	1.022	0.0050	1.000		102	75	125				
Chromium	0.9577	0.0100	1.000		95.8	75	125				
Cobalt	0.9881	0.0200	1.000		98.8	75	125				
Copper	0.9797	0.0100	1.000	0.0009845	97.9	75	125				
Lead	0.9735	0.0100	1.000		97.3	75	125				
Nickel	0.9805	0.0200	1.000		98.1	75	125				
Selenium	0.9722	0.0200	1.000		97.2	75	125				
Vanadium	0.9957	0.0100	1.000	0.002658	99.3	75	125				
Zinc	0.9961	0.0200	1.000		99.6	75	125				

Sample ID: **1403A85-003EMSD** Client ID: **MW-7R-20140312-01** Units: **mg/L** Prep Date: **03/18/2014** Run No: **263617**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **188421** Analysis Date: **03/19/2014** Seq No: **5546113**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9870	0.0500	1.000		98.7	75	125	1.002	1.54	20	
Barium	1.008	0.0200	1.000	0.02366	98.4	75	125	1.022	1.47	20	
Cadmium	1.006	0.0050	1.000		101	75	125	1.022	1.65	20	
Chromium	0.9418	0.0100	1.000		94.2	75	125	0.9577	1.68	20	
Cobalt	0.9719	0.0200	1.000		97.2	75	125	0.9881	1.66	20	
Copper	0.9684	0.0100	1.000	0.0009845	96.7	75	125	0.9797	1.16	20	
Lead	0.9514	0.0100	1.000		95.1	75	125	0.9735	2.30	20	
Nickel	0.9646	0.0200	1.000		96.5	75	125	0.9805	1.63	20	
Selenium	0.9592	0.0200	1.000		95.9	75	125	0.9722	1.35	20	
Vanadium	0.9818	0.0100	1.000	0.002658	97.9	75	125	0.9957	1.40	20	
Zinc	0.9737	0.0200	1.000		97.4	75	125	0.9961	2.27	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188426

Sample ID: **MB-188426** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263389**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188426** Analysis Date: **03/17/2014** Seq No: **5549873**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	39.18	0	50.00		78.4	70	128				
Surr: Dibromofluoromethane	54.75	0	50.00		110	78.2	128				
Surr: Toluene-d8	41.98	0	50.00		84.0	76.5	116				

Sample ID: **LCS-188426** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263389**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188426** Analysis Date: **03/17/2014** Seq No: **5549885**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	58.46	5.0	50.00		117	69.9	145				
Benzene	53.24	5.0	50.00		106	72.3	130				
Toluene	54.35	5.0	50.00		109	71.1	130				
Trichloroethene	61.99	5.0	50.00		124	71.7	136				
Surr: 4-Bromofluorobenzene	51.49	0	50.00		103	70	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188426

Sample ID: **LCS-188426** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263389**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188426** Analysis Date: **03/17/2014** Seq No: **5549885**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	50.41	0	50.00		101	78.2	128				
Surr: Toluene-d8	44.39	0	50.00		88.8	76.5	116				

Sample ID: **1403B44-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/17/2014** Run No: **263389**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188426** Analysis Date: **03/17/2014** Seq No: **5549877**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	84.39	7.0	69.97		121	56.6	151				
Benzene	73.20	7.0	69.97		105	70.4	130				
Toluene	75.51	7.0	69.97		108	70.4	130				
Trichloroethene	88.38	7.0	69.97		126	70.1	137				
Surr: 4-Bromofluorobenzene	71.73	0	69.97		103	70	128				
Surr: Dibromofluoromethane	71.53	0	69.97		102	78.2	128				
Surr: Toluene-d8	64.17	0	69.97		91.7	76.5	116				

Sample ID: **1403B44-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/17/2014** Run No: **263389**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188426** Analysis Date: **03/17/2014** Seq No: **5549882**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	85.19	7.0	69.97		122	56.6	151	84.39	0.941	20.4	
Benzene	76.89	7.0	69.97		110	70.4	130	73.20	4.92	16.9	
Toluene	79.69	7.0	69.97		114	70.4	130	75.51	5.39	16.6	
Trichloroethene	90.65	7.0	69.97		130	70.1	137	88.38	2.53	17	
Surr: 4-Bromofluorobenzene	71.32	0	69.97		102	70	128	71.73	0	0	
Surr: Dibromofluoromethane	71.52	0	69.97		102	78.2	128	71.53	0	0	
Surr: Toluene-d8	63.57	0	69.97		90.9	76.5	116	64.17	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188430

Sample ID: **MB-188430** Client ID: Units: **mg/Kg** Prep Date: **03/20/2014** Run No: **263728**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **188430** Analysis Date: **03/20/2014** Seq No: **5548568**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Lead	BRL	5.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-188430** Client ID: Units: **mg/Kg** Prep Date: **03/20/2014** Run No: **263728**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **188430** Analysis Date: **03/20/2014** Seq No: **5548566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.95	5.00	50.00	0.1498	95.6	80	120				
Barium	48.14	5.00	50.00		96.3	80	120				
Cadmium	47.07	2.50	50.00		94.1	80	120				
Chromium	49.07	2.50	50.00	0.3509	97.4	80	120				
Cobalt	48.28	2.50	50.00		96.6	80	120				
Copper	47.96	2.50	50.00		95.9	80	120				
Lead	47.72	5.00	50.00		95.4	80	120				
Nickel	47.97	5.00	50.00		95.9	80	120				
Selenium	48.57	5.00	50.00		97.1	80	120				
Vanadium	48.68	5.00	50.00		97.4	80	120				
Zinc	47.29	5.00	50.00	0.2161	94.1	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188430

Sample ID: **1403D78-001AMS** Client ID:
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C**
Units: **mg/Kg-dry** Prep Date: **03/20/2014** Run No: **263728**
BatchID: **188430** Analysis Date: **03/20/2014** Seq No: **5548570**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	51.63	5.50	55.03	2.770	88.8	75	125				
Barium	62.76	5.50	55.03	21.56	74.9	75	125				S
Cadmium	47.11	2.75	55.03	0.5347	84.6	75	125				
Chromium	60.32	2.75	55.03	28.55	57.7	75	125				S
Cobalt	41.84	2.75	55.03	1.873	72.6	75	125				S
Copper	54.90	2.75	55.03	14.22	73.9	75	125				S
Lead	66.24	5.50	55.03	28.76	68.1	75	125				S
Nickel	45.27	5.50	55.03	15.77	53.6	75	125				S
Selenium	49.81	5.50	55.03		90.5	75	125				
Vanadium	52.53	5.50	55.03	10.17	77.0	75	125				
Zinc	174.3	5.50	55.03	214.1	-72.3	75	125				S

Sample ID: **1403D78-001AMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C**
Units: **mg/Kg-dry** Prep Date: **03/20/2014** Run No: **263728**
BatchID: **188430** Analysis Date: **03/20/2014** Seq No: **5548571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	52.92	5.46	54.55	2.770	91.9	75	125	51.63	2.46	20	
Barium	57.77	5.46	54.55	21.56	66.4	75	125	62.76	8.29	20	S
Cadmium	47.16	2.73	54.55	0.5347	85.5	75	125	47.11	0.111	20	
Chromium	58.24	2.73	54.55	28.55	54.4	75	125	60.32	3.52	20	S
Cobalt	40.54	2.73	54.55	1.873	70.9	75	125	41.84	3.14	20	S
Copper	53.36	2.73	54.55	14.22	71.7	75	125	54.90	2.84	20	S
Lead	65.54	5.46	54.55	28.76	67.4	75	125	66.24	1.05	20	S
Nickel	42.34	5.46	54.55	15.77	48.7	75	125	45.27	6.68	20	S
Selenium	50.34	5.46	54.55		92.3	75	125	49.81	1.06	20	
Vanadium	51.55	5.46	54.55	10.17	75.9	75	125	52.53	1.87	20	
Zinc	174.1	5.46	54.55	214.1	-73.3	75	125	174.3	0.085	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188437

Sample ID: **MB-188437**	Client ID:	Units: **ug/L**	Prep Date: **03/18/2014**	Run No: **263464**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**	BatchID: **188437**	Analysis Date: **03/18/2014**	Seq No: **5547298**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188437

Sample ID: **MB-188437** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263464**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188437** Analysis Date: **03/18/2014** Seq No: **5547298**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	91.56	0	100.0		91.6	51.5	124				
Surr: 2-Fluorobiphenyl	41.93	0	50.00		83.9	51.7	118				
Surr: 2-Fluorophenol	57.98	0	100.0		58.0	26	120				
Surr: 4-Terphenyl-d14	44.80	0	50.00		89.6	45.2	137				
Surr: Nitrobenzene-d5	40.98	0	50.00		82.0	42	120				
Surr: Phenol-d5	42.11	0	100.0		42.1	12.3	120				

Sample ID: **LCS-188437** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263464**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188437** Analysis Date: **03/18/2014** Seq No: **5547303**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	93.23	10	100.0		93.2	60.2	118				
4-Chloro-3-methylphenol	105.6	10	100.0		106	66.1	117				
Acenaphthene	97.51	10	100.0		97.5	67.7	122				
Pentachlorophenol	86.60	25	100.0		86.6	48.6	140				
Phenol	51.82	10	100.0		51.8	24.6	120				
Pyrene	103.2	10	100.0		103	68.3	123				
Surr: 2,4,6-Tribromophenol	112.9	0	100.0		113	51.5	124				
Surr: 2-Fluorobiphenyl	50.67	0	50.00		101	51.7	118				
Surr: 2-Fluorophenol	75.90	0	100.0		75.9	26	120				
Surr: 4-Terphenyl-d14	53.58	0	50.00		107	45.2	137				
Surr: Nitrobenzene-d5	48.67	0	50.00		97.3	42	120				
Surr: Phenol-d5	57.52	0	100.0		57.5	12.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188437

Sample ID: **1403B97-001BMS** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263464**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188437** Analysis Date: **03/18/2014** Seq No: **5547307**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	78.73	10	100.0		78.7	50.4	120				
4-Chloro-3-methylphenol	91.03	10	100.0		91.0	51.1	118				
Acenaphthene	76.24	10	100.0		76.2	51.9	120				
Pentachlorophenol	103.0	25	100.0		103	40.7	139				
Phenol	151.6	10	100.0	102.1	49.5	30.5	120				
Pyrene	81.88	10	100.0		81.9	50.6	120				
Surr: 2,4,6-Tribromophenol	99.71	0	100.0		99.7	51.5	124				
Surr: 2-Fluorobiphenyl	38.79	0	50.00		77.6	51.7	118				
Surr: 2-Fluorophenol	73.65	0	100.0		73.6	26	120				
Surr: 4-Terphenyl-d14	42.31	0	50.00		84.6	45.2	137				
Surr: Nitrobenzene-d5	45.56	0	50.00		91.1	42	120				
Surr: Phenol-d5	72.02	0	100.0		72.0	12.3	120				

Sample ID: **1403B97-001BMSD** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263464**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188437** Analysis Date: **03/18/2014** Seq No: **5547309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	72.41	10	100.0		72.4	50.4	120	78.73	8.36	26.1	
4-Chloro-3-methylphenol	92.60	10	100.0		92.6	51.1	118	91.03	1.71	25.8	
Acenaphthene	50.77	10	100.0		50.8	51.9	120	76.24	40.1	24.9	SR
Pentachlorophenol	106.1	25	100.0		106	40.7	139	103.0	3.00	28.1	
Phenol	158.7	10	100.0	102.1	56.6	30.5	120	151.6	4.59	34.4	
Pyrene	82.38	10	100.0		82.4	50.6	120	81.88	0.609	26.7	
Surr: 2,4,6-Tribromophenol	67.95	0	100.0		68.0	51.5	124	99.71	0	0	
Surr: 2-Fluorobiphenyl	26.29	0	50.00		52.6	51.7	118	38.79	0	0	
Surr: 2-Fluorophenol	76.65	0	100.0		76.6	26	120	73.65	0	0	
Surr: 4-Terphenyl-d14	45.34	0	50.00		90.7	45.2	137	42.31	0	0	
Surr: Nitrobenzene-d5	48.76	0	50.00		97.5	42	120	45.56	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188437

Sample ID: **1403B97-001BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **03/18/2014** Run No: **263464**
BatchID: **188437** Analysis Date: **03/18/2014** Seq No: **5547309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	75.62	0	100.0		75.6	12.3	120	72.02	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188451

Sample ID: **MB-188451** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263434**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188451** Analysis Date: **03/17/2014** Seq No: **5541570**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	46.16	0	50.00		92.3	70	128				
Surr: Dibromofluoromethane	50.88	0	50.00		102	78.2	128				
Surr: Toluene-d8	49.30	0	50.00		98.6	76.5	116				

Sample ID: **LCS-188451** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263434**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188451** Analysis Date: **03/17/2014** Seq No: **5541571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.96	5.0	50.00		112	69.9	145				
Benzene	47.97	5.0	50.00		95.9	72.3	130				
Toluene	53.21	5.0	50.00		106	71.1	130				
Trichloroethene	58.55	5.0	50.00		117	71.7	136				
Surr: 4-Bromofluorobenzene	51.77	0	50.00		104	70	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188451

Sample ID: **LCS-188451** Client ID: Units: **ug/Kg** Prep Date: **03/17/2014** Run No: **263434**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188451** Analysis Date: **03/17/2014** Seq No: **5541571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	53.83	0	50.00		108	78.2	128				
Surr: Toluene-d8	50.85	0	50.00		102	76.5	116				

Sample ID: **1403B96-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/17/2014** Run No: **263434**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188451** Analysis Date: **03/17/2014** Seq No: **5541572**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	58.75	5.5	54.74		107	56.6	151				
Benzene	51.32	5.5	54.74		93.8	70.4	130				
Toluene	57.88	5.5	54.74		106	70.4	130				
Trichloroethene	62.49	5.5	54.74		114	70.1	137				
Surr: 4-Bromofluorobenzene	55.29	0	54.74		101	70	128				
Surr: Dibromofluoromethane	57.03	0	54.74		104	78.2	128				
Surr: Toluene-d8	54.82	0	54.74		100	76.5	116				

Sample ID: **1403B96-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/17/2014** Run No: **263434**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188451** Analysis Date: **03/17/2014** Seq No: **5541573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.61	5.5	54.74		111	56.6	151	58.75	3.12	20.4	
Benzene	52.40	5.5	54.74		95.7	70.4	130	51.32	2.07	16.9	
Toluene	58.24	5.5	54.74		106	70.4	130	57.88	0.622	16.6	
Trichloroethene	62.70	5.5	54.74		115	70.1	137	62.49	0.332	17	
Surr: 4-Bromofluorobenzene	56.74	0	54.74		104	70	128	55.29	0	0	
Surr: Dibromofluoromethane	57.04	0	54.74		104	78.2	128	57.03	0	0	
Surr: Toluene-d8	54.77	0	54.74		100	76.5	116	54.82	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188471

Sample ID: **MB-188471** Client ID: Units: **ug/Kg** Prep Date: **03/19/2014** Run No: **263703**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188471

Sample ID: **MB-188471** Client ID: Units: **ug/Kg** Prep Date: **03/19/2014** Run No: **263703**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2985	0	3333		89.6	40.2	120				
Surr: 2-Fluorobiphenyl	1241	0	1667		74.5	45.6	120				
Surr: 2-Fluorophenol	2442	0	3333		73.3	35.2	120				
Surr: 4-Terphenyl-d14	1409	0	1667		84.5	51	121				
Surr: Nitrobenzene-d5	1308	0	1667		78.5	37.8	120				
Surr: Phenol-d5	2750	0	3333		82.5	39.9	120				

Sample ID: **LCS-188471** Client ID: Units: **ug/Kg** Prep Date: **03/19/2014** Run No: **263703**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548027**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2715	330	3333		81.4	50.3	120				
4-Chloro-3-methylphenol	3094	330	3333		92.8	55.4	120				
Acenaphthene	2871	330	3333		86.1	58.9	120				
Pentachlorophenol	2333	1700	3333		70.0	40.9	129				
Phenol	2656	330	3333		79.7	50.2	118				
Pyrene	2787	330	3333	47.67	82.2	60.5	120				
Surr: 2,4,6-Tribromophenol	3482	0	3333		104	40.2	120				
Surr: 2-Fluorobiphenyl	1500	0	1667		90.0	45.6	120				
Surr: 2-Fluorophenol	2812	0	3333		84.4	35.2	120				
Surr: 4-Terphenyl-d14	1548	0	1667		92.9	51	121				
Surr: Nitrobenzene-d5	1492	0	1667		89.5	37.8	120				
Surr: Phenol-d5	3323	0	3333		99.7	39.9	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188471

Sample ID: **1403D82-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/19/2014** Run No: **263703**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2463	400	4085		60.3	44.2	120				
4-Chloro-3-methylphenol	2999	400	4085		73.4	42.1	120				
Acenaphthene	2700	400	4085		66.1	51.1	120				
Pentachlorophenol	2570	2100	4085		62.9	38.1	120				
Phenol	2468	400	4085		60.4	43.1	120				
Pyrene	2756	400	4085		67.5	45.3	120				
Surr: 2,4,6-Tribromophenol	3278	0	4085		80.3	40.2	120				
Surr: 2-Fluorobiphenyl	1365	0	2042		66.8	45.6	120				
Surr: 2-Fluorophenol	2452	0	4085		60.0	35.2	120				
Surr: 4-Terphenyl-d14	1513	0	2042		74.1	51	121				
Surr: Nitrobenzene-d5	1276	0	2042		62.5	37.8	120				
Surr: Phenol-d5	3029	0	4085		74.2	39.9	120				

Sample ID: **1403D82-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/19/2014** Run No: **263703**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2364	400	4081		57.9	44.2	120	2463	4.08	32.9	
4-Chloro-3-methylphenol	2719	400	4081		66.6	42.1	120	2999	9.78	33.2	
Acenaphthene	2518	400	4081		61.7	51.1	120	2700	6.97	30.5	
Pentachlorophenol	2263	2100	4081		55.5	38.1	120	2570	12.7	33	
Phenol	2337	400	4081		57.3	43.1	120	2468	5.44	37.4	
Pyrene	2547	400	4081		62.4	45.3	120	2756	7.88	32.8	
Surr: 2,4,6-Tribromophenol	2957	0	4081		72.5	40.2	120	3278	0	0	
Surr: 2-Fluorobiphenyl	1274	0	2040		62.4	45.6	120	1365	0	0	
Surr: 2-Fluorophenol	2355	0	4081		57.7	35.2	120	2452	0	0	
Surr: 4-Terphenyl-d14	1363	0	2040		66.8	51	121	1513	0	0	
Surr: Nitrobenzene-d5	1259	0	2040		61.7	37.8	120	1276	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188471

Sample ID: **1403D82-003AMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **03/19/2014** Run No: **263703**
BatchID: **188471** Analysis Date: **03/20/2014** Seq No: **5548037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2528	0	4081		62.0	39.9	120	3029	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188499

Sample ID: **MB-188499** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263534**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188499** Analysis Date: **03/18/2014** Seq No: **5544410**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	46.04	0	50.00		92.1	66.2	120				
Surr: Dibromofluoromethane	51.39	0	50.00		103	79.5	121				
Surr: Toluene-d8	49.19	0	50.00		98.4	77	117				

Sample ID: **LCS-188499** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263534**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188499** Analysis Date: **03/18/2014** Seq No: **5544408**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	45.22	5.0	50.00		90.4	63.1	140				
Benzene	51.40	5.0	50.00		103	74.2	129				
Toluene	51.82	5.0	50.00		104	74.2	129				
Trichloroethene	51.76	5.0	50.00		104	71.2	135				
Surr: 4-Bromofluorobenzene	49.57	0	50.00		99.1	66.2	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188499

Sample ID: **LCS-188499** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263534**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188499** Analysis Date: **03/18/2014** Seq No: **5544408**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.77	0	50.00		104	79.5	121				
Surr: Toluene-d8	49.90	0	50.00		99.8	77	117				

Sample ID: **1403D98-003AMS** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263534**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188499** Analysis Date: **03/18/2014** Seq No: **5544413**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.99	5.0	50.00		110	60.2	159				
Benzene	54.51	5.0	50.00		109	70.2	138				
Toluene	55.76	5.0	50.00		112	70	139				
Trichloroethene	55.50	5.0	50.00		111	70.1	144				
Surr: 4-Bromofluorobenzene	48.83	0	50.00		97.7	66.2	120				
Surr: Dibromofluoromethane	52.19	0	50.00		104	79.5	121				
Surr: Toluene-d8	49.89	0	50.00		99.8	77	117				

Sample ID: **1403D98-003AMSD** Client ID: Units: **ug/L** Prep Date: **03/18/2014** Run No: **263534**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **188499** Analysis Date: **03/18/2014** Seq No: **5544414**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.09	5.0	50.00		112	60.2	159	54.99	1.98	19.2	
Benzene	53.52	5.0	50.00		107	70.2	138	54.51	1.83	20	
Toluene	53.79	5.0	50.00		108	70	139	55.76	3.60	20	
Trichloroethene	54.49	5.0	50.00		109	70.1	144	55.50	1.84	20	
Surr: 4-Bromofluorobenzene	49.20	0	50.00		98.4	66.2	120	48.83	0	0	
Surr: Dibromofluoromethane	53.47	0	50.00		107	79.5	121	52.19	0	0	
Surr: Toluene-d8	49.78	0	50.00		99.6	77	117	49.89	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188521

Sample ID: **MB-188521** Client ID: Units: **mg/L** Prep Date: **03/19/2014** Run No: **263635**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **188521** Analysis Date: **03/19/2014** Seq No: **5546482**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-188521** Client ID: Units: **mg/L** Prep Date: **03/19/2014** Run No: **263635**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **188521** Analysis Date: **03/19/2014** Seq No: **5546480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9827	0.0500	1.000		98.3	80	120				
Barium	0.9772	0.0200	1.000		97.7	80	120				
Cadmium	0.9954	0.0050	1.000		99.5	80	120				
Chromium	0.9699	0.0100	1.000		97.0	80	120				
Cobalt	0.9847	0.0200	1.000		98.5	80	120				
Copper	0.9601	0.0100	1.000		96.0	80	120				
Lead	0.9774	0.0100	1.000	0.001358	97.6	80	120				
Nickel	0.9834	0.0200	1.000		98.3	80	120				
Selenium	0.9703	0.0200	1.000		97.0	80	120				
Vanadium	0.9729	0.0100	1.000		97.3	80	120				
Zinc	0.9955	0.0200	1.000		99.5	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1403D83

ANALYTICAL QC SUMMARY REPORT

BatchID: 188521

Sample ID: **1403D65-005BMS** Client ID: Units: **mg/L** Prep Date: **03/19/2014** Run No: **263635**
SampleType: **MS** TestCode: **METALS, DISSOLVED SW6010C** BatchID: **188521** Analysis Date: **03/19/2014** Seq No: **5546485**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9501	0.0500	1.000		95.0	75	125				
Barium	0.9604	0.0200	1.000	0.02166	93.9	75	125				
Cadmium	0.9580	0.0050	1.000		95.8	75	125				
Chromium	0.9326	0.0100	1.000		93.3	75	125				
Cobalt	0.9463	0.0200	1.000		94.6	75	125				
Copper	0.9207	0.0100	1.000		92.1	75	125				
Lead	0.9382	0.0100	1.000		93.8	75	125				
Nickel	0.9437	0.0200	1.000		94.4	75	125				
Selenium	0.9355	0.0200	1.000		93.6	75	125				
Vanadium	0.9377	0.0100	1.000	0.001382	93.6	75	125				
Zinc	0.9589	0.0200	1.000		95.9	75	125				

Sample ID: **1403D65-005BMSD** Client ID: Units: **mg/L** Prep Date: **03/19/2014** Run No: **263635**
SampleType: **MSD** TestCode: **METALS, DISSOLVED SW6010C** BatchID: **188521** Analysis Date: **03/19/2014** Seq No: **5546487**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9651	0.0500	1.000		96.5	75	125	0.9501	1.57	20	
Barium	0.9742	0.0200	1.000	0.02166	95.2	75	125	0.9604	1.42	20	
Cadmium	0.9715	0.0050	1.000		97.1	75	125	0.9580	1.39	20	
Chromium	0.9444	0.0100	1.000		94.4	75	125	0.9326	1.26	20	
Cobalt	0.9609	0.0200	1.000		96.1	75	125	0.9463	1.54	20	
Copper	0.9332	0.0100	1.000		93.3	75	125	0.9207	1.35	20	
Lead	0.9533	0.0100	1.000		95.3	75	125	0.9382	1.60	20	
Nickel	0.9560	0.0200	1.000		95.6	75	125	0.9437	1.30	20	
Selenium	0.9588	0.0200	1.000		95.9	75	125	0.9355	2.45	20	
Vanadium	0.9501	0.0100	1.000	0.001382	94.9	75	125	0.9377	1.32	20	
Zinc	0.9716	0.0200	1.000		97.2	75	125	0.9589	1.32	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 30, 2015

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: WC Meredith ER-437 Phase 4

Dear Kenneth C. Summerour: Order No: 1501H06

Analytical Environmental Services, Inc. received 8 samples on 1/22/2015 6:07:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole J. Jessup

Nicole Jessup
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1501H06

Date: 1-21-15 Page 1 of 1

COMPANY:	ADDRESS:
Envirorisk Consultants	PO Box 945 Grayson, GA 30017
PHONE: 678-635-7360	FAX: 678-635-7380
SAMPLED BY: Kim, Walter	SIGNATURE: Kim Phillips

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	SVOC	VOC	Metals	No # of Containers	REMARKS
1		1-21-15									
2	SED 1SW-6	1-21-15	11:55	✓		GW	✓	✓	✓		
3	SED 1SW-6	1-21-15	11:55	✓		SO	✓	✓	✓		
4	SED 1SW-5	1-21-15	12:10	✓		GW	✓	✓	✓		
5	SED 1SW-5	1-21-15	12:10	✓		SO	✓	✓	✓		
6	SED 1SW-7	1-21-15	11:20	✓		GW	✓	✓	✓		
7	SED 1SW-7	1-21-15	11:20	✓		SO	✓	✓	✓		
8	SED 1SW-8	1-21-15	11:00	✓		GW	✓	✓	✓		
9	SED 1SW-8	1-21-15	11:00	✓		SO					
10											
11											
12											
13											
14											

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kim Phillips	1-22-15 6:07 PM	1:	1/22/15 6:07
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: ER-437 Phase 4 WC Meredith

PROJECT #: ER-437

SITE ADDRESS: 2335 Lawrence St. East Point GA

SEND REPORT TO: Ken, Kim

INVOICE TO: (IF DIFFERENT FROM ABOVE) —

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers

Turnaround Time Request

- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

Run WC Meredith list

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *30-Jan-15*

CLIENT: Envirorisk Consultants
Project: WC Meredith ER-437 Phase 4
Lab Order: 1501H06

CASE NARRATIVE

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1501H06-002A & 004A was outside control limits biased low due to suspected matrix interference.

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-6
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:55:00 AM
Lab ID:	1501H06-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Acetone	BRL	50		ug/L	202374	1	01/29/2015 09:37	GK
2-Butanone	BRL	50		ug/L	202374	1	01/29/2015 09:37	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Benzene	1.8	1.0		ug/L	202374	1	01/29/2015 09:37	GK
1,2-Dichloroethane	1.5	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Trichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Toluene	1.8	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Tetrachloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Ethylbenzene	2.4	1.0		ug/L	202374	1	01/29/2015 09:37	GK
m,p-Xylene	3.0	2.0		ug/L	202374	1	01/29/2015 09:37	GK
o-Xylene	2.0	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Styrene	BRL	1.0		ug/L	202374	1	01/29/2015 09:37	GK
1,3,5-Trimethylbenzene	1.7	1.0		ug/L	202374	1	01/29/2015 09:37	GK
1,2,4-Trimethylbenzene	4.4	1.0		ug/L	202374	1	01/29/2015 09:37	GK
Surr: 4-Bromofluorobenzene	95.6	70.6-123		%REC	202374	1	01/29/2015 09:37	GK
Surr: Dibromofluoromethane	96.5	78.7-124		%REC	202374	1	01/29/2015 09:37	GK
Surr: Toluene-d8	96.5	81.3-120		%REC	202374	1	01/29/2015 09:37	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	16	10		ug/L	202241	1	01/28/2015 17:09	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
2,4-Dimethylphenol	140	10		ug/L	202241	1	01/28/2015 17:09	YH
2,4-Dinitrophenol	BRL	25		ug/L	202241	1	01/28/2015 17:09	YH
2-Chlorophenol	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
2-Methylnaphthalene	63	10		ug/L	202241	1	01/28/2015 17:09	YH
2-Methylphenol	100	10		ug/L	202241	1	01/28/2015 17:09	YH
3,4-Methylphenol	140	10		ug/L	202241	1	01/28/2015 17:09	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Acenaphthene	150	10		ug/L	202241	1	01/28/2015 17:09	YH
Acenaphthylene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Anthracene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Benz(a)anthracene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Benzo(a)pyrene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Benzo(b)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Benzo(k)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Carbazole	110	10		ug/L	202241	1	01/28/2015 17:09	YH
Chrysene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Dibenzofuran	97	10		ug/L	202241	1	01/28/2015 17:09	YH
Fluoranthene	16	10		ug/L	202241	1	01/28/2015 17:09	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-6
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:55:00 AM
Lab ID:	1501H06-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3510C)**			
Fluorene	110	10		ug/L	202241	1	01/28/2015 17:09	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Naphthalene	130	100		ug/L	202241	10	01/29/2015 12:37	YH
Pentachlorophenol	180	100		ug/L	202241	10	01/29/2015 12:37	YH
Phenanthrene	100	10		ug/L	202241	1	01/28/2015 17:09	YH
Phenol	15	10		ug/L	202241	1	01/28/2015 17:09	YH
Pyrene	BRL	10		ug/L	202241	1	01/28/2015 17:09	YH
Surr: 2,4,6-Tribromophenol	115	52-133		%REC	202241	1	01/28/2015 17:09	YH
Surr: 2-Fluorobiphenyl	90.5	50-121		%REC	202241	1	01/28/2015 17:09	YH
Surr: 2-Fluorophenol	57	27.5-120		%REC	202241	1	01/28/2015 17:09	YH
Surr: 4-Terphenyl-d14	91.7	46.3-137		%REC	202241	1	01/28/2015 17:09	YH
Surr: Nitrobenzene-d5	84.9	41.2-121		%REC	202241	1	01/28/2015 17:09	YH
Surr: Phenol-d5	41.6	14.3-120		%REC	202241	1	01/28/2015 17:09	YH
METALS, TOTAL SW6010C					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	202302	1	01/28/2015 19:27	JL
Barium	0.0806	0.0200		mg/L	202302	1	01/28/2015 19:27	JL
Cadmium	BRL	0.0050		mg/L	202302	1	01/28/2015 19:27	JL
Chromium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:27	JL
Cobalt	BRL	0.0200		mg/L	202302	1	01/28/2015 19:27	JL
Copper	BRL	0.0100		mg/L	202302	1	01/28/2015 19:27	JL
Lead	BRL	0.0100		mg/L	202302	1	01/28/2015 19:27	JL
Nickel	BRL	0.0200		mg/L	202302	1	01/28/2015 19:27	JL
Selenium	BRL	0.0200		mg/L	202302	1	01/28/2015 19:27	JL
Vanadium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:27	JL
Zinc	BRL	0.0200		mg/L	202302	1	01/28/2015 19:27	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-6
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:55:00 AM
Lab ID:	1501H06-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Acetone	0.24	0.12		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
2-Butanone	BRL	0.062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
1,1,1-Trichloroethane	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Benzene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
1,2-Dichloroethane	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Trichloroethene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Toluene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Tetrachloroethene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Ethylbenzene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
m,p-Xylene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
o-Xylene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Styrene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
1,3,5-Trimethylbenzene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
1,2,4-Trimethylbenzene	BRL	0.0062		mg/Kg-dry	202279	1	01/28/2015 11:48	MD
Surr: 4-Bromofluorobenzene	72.5	70-128		%REC	202279	1	01/28/2015 11:48	MD
Surr: Dibromofluoromethane	88.7	78.2-128		%REC	202279	1	01/28/2015 11:48	MD
Surr: Toluene-d8	77.6	76.5-116		%REC	202279	1	01/28/2015 11:48	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2,4,6-Trichlorophenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2,4-Dimethylphenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2,4-Dinitrophenol	BRL	3.3		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2-Chlorophenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2-Methylnaphthalene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
2-Methylphenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
3,4-Methylphenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
4-Chloro-3-methylphenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Acenaphthene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Acenaphthylene	1.5	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Anthracene	1.7	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Benz(a)anthracene	0.96	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Benzo(a)pyrene	2.3	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Benzo(b)fluoranthene	3.0	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Benzo(k)fluoranthene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Carbazole	1.00	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Chrysene	1.3	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Dibenz(a,h)anthracene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Dibenzofuran	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Fluoranthene	1.5	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-6
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:55:00 AM
Lab ID:	1501H06-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3550C)**			
Fluorene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Indeno(1,2,3-cd)pyrene	3.2	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Naphthalene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Pentachlorophenol	8.7	3.3		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Phenanthrene	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Phenol	BRL	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Pyrene	1.2	0.65		mg/Kg-dry	202041	1	01/23/2015 22:14	YH
Surr: 2,4,6-Tribromophenol	89.7	41-128		%REC	202041	1	01/23/2015 22:14	YH
Surr: 2-Fluorobiphenyl	70.9	47-120		%REC	202041	1	01/23/2015 22:14	YH
Surr: 2-Fluorophenol	58.5	38.3-120		%REC	202041	1	01/23/2015 22:14	YH
Surr: 4-Terphenyl-d14	69.7	51.4-125		%REC	202041	1	01/23/2015 22:14	YH
Surr: Nitrobenzene-d5	60.2	40.1-120		%REC	202041	1	01/23/2015 22:14	YH
Surr: Phenol-d5	64.9	40.3-120		%REC	202041	1	01/23/2015 22:14	YH
METALS, TOTAL SW6010C					**(SW3050B)**			
Arsenic	BRL	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Barium	121	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Cadmium	BRL	4.75		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Chromium	56.2	4.75		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Cobalt	14.4	4.75		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Copper	66.2	4.75		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Lead	124	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Nickel	17.6	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Selenium	BRL	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Vanadium	75.6	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
Zinc	373	9.50		mg/Kg-dry	202292	1	01/28/2015 22:06	JL
PERCENT MOISTURE D2216								
Percent Moisture	49.0	0		wt%	R284621	1	01/28/2015 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-5
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 12:10:00 PM
Lab ID:	1501H06-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Acetone	BRL	50		ug/L	202374	1	01/29/2015 10:07	GK
2-Butanone	BRL	50		ug/L	202374	1	01/29/2015 10:07	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Benzene	3.4	1.0		ug/L	202374	1	01/29/2015 10:07	GK
1,2-Dichloroethane	1.6	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Trichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Toluene	3.5	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Tetrachloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Ethylbenzene	4.6	1.0		ug/L	202374	1	01/29/2015 10:07	GK
m,p-Xylene	6.5	2.0		ug/L	202374	1	01/29/2015 10:07	GK
o-Xylene	4.0	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Styrene	BRL	1.0		ug/L	202374	1	01/29/2015 10:07	GK
1,3,5-Trimethylbenzene	3.1	1.0		ug/L	202374	1	01/29/2015 10:07	GK
1,2,4-Trimethylbenzene	8.3	1.0		ug/L	202374	1	01/29/2015 10:07	GK
Surr: 4-Bromofluorobenzene	99.6	70.6-123		%REC	202374	1	01/29/2015 10:07	GK
Surr: Dibromofluoromethane	97.7	78.7-124		%REC	202374	1	01/29/2015 10:07	GK
Surr: Toluene-d8	97	81.3-120		%REC	202374	1	01/29/2015 10:07	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	24	10		ug/L	202241	1	01/28/2015 17:35	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
2,4-Dimethylphenol	160	100		ug/L	202241	10	01/29/2015 13:03	YH
2,4-Dinitrophenol	BRL	25		ug/L	202241	1	01/28/2015 17:35	YH
2-Chlorophenol	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
2-Methylnaphthalene	140	100		ug/L	202241	10	01/29/2015 13:03	YH
2-Methylphenol	160	10		ug/L	202241	1	01/28/2015 17:35	YH
3,4-Methylphenol	260	10		ug/L	202241	1	01/28/2015 17:35	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Acenaphthene	160	100		ug/L	202241	10	01/29/2015 13:03	YH
Acenaphthylene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Anthracene	17	10		ug/L	202241	1	01/28/2015 17:35	YH
Benz(a)anthracene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Benzo(a)pyrene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Benzo(b)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Benzo(k)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Carbazole	130	100		ug/L	202241	10	01/29/2015 13:03	YH
Chrysene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Dibenzofuran	150	10		ug/L	202241	1	01/28/2015 17:35	YH
Fluoranthene	24	10		ug/L	202241	1	01/28/2015 17:35	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-5
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 12:10:00 PM
Lab ID:	1501H06-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3510C)**			
Fluorene	160	10		ug/L	202241	1	01/28/2015 17:35	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	202241	1	01/28/2015 17:35	YH
Naphthalene	750	100		ug/L	202241	10	01/29/2015 13:03	YH
Pentachlorophenol	210	200		ug/L	202241	10	01/29/2015 13:03	YH
Phenanthrene	130	100		ug/L	202241	10	01/29/2015 13:03	YH
Phenol	28	10		ug/L	202241	1	01/28/2015 17:35	YH
Pyrene	11	10		ug/L	202241	1	01/28/2015 17:35	YH
Surr: 2,4,6-Tribromophenol	114	52-133		%REC	202241	1	01/28/2015 17:35	YH
Surr: 2-Fluorobiphenyl	93.3	50-121		%REC	202241	1	01/28/2015 17:35	YH
Surr: 2-Fluorophenol	61.9	27.5-120		%REC	202241	1	01/28/2015 17:35	YH
Surr: 4-Terphenyl-d14	85	46.3-137		%REC	202241	1	01/28/2015 17:35	YH
Surr: Nitrobenzene-d5	92.5	41.2-121		%REC	202241	1	01/28/2015 17:35	YH
Surr: Phenol-d5	44.6	14.3-120		%REC	202241	1	01/28/2015 17:35	YH
METALS, TOTAL SW6010C					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	202302	1	01/28/2015 19:31	JL
Barium	0.0835	0.0200		mg/L	202302	1	01/28/2015 19:31	JL
Cadmium	BRL	0.0050		mg/L	202302	1	01/28/2015 19:31	JL
Chromium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:31	JL
Cobalt	BRL	0.0200		mg/L	202302	1	01/28/2015 19:31	JL
Copper	BRL	0.0100		mg/L	202302	1	01/28/2015 19:31	JL
Lead	BRL	0.0100		mg/L	202302	1	01/28/2015 19:31	JL
Nickel	BRL	0.0200		mg/L	202302	1	01/28/2015 19:31	JL
Selenium	BRL	0.0200		mg/L	202302	1	01/28/2015 19:31	JL
Vanadium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:31	JL
Zinc	0.0221	0.0200		mg/L	202302	1	01/28/2015 19:31	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-5
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 12:10:00 PM
Lab ID:	1501H06-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Acetone	BRL	0.058		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
2-Butanone	BRL	0.029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
1,1,1-Trichloroethane	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Benzene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
1,2-Dichloroethane	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Trichloroethene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Toluene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Tetrachloroethene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Ethylbenzene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
m,p-Xylene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
o-Xylene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Styrene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
1,3,5-Trimethylbenzene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
1,2,4-Trimethylbenzene	BRL	0.0029		mg/Kg-dry	202279	1	01/27/2015 19:50	MD
Surr: 4-Bromofluorobenzene	73.5	70-128		%REC	202279	1	01/27/2015 19:50	MD
Surr: Dibromofluoromethane	88.7	78.2-128		%REC	202279	1	01/27/2015 19:50	MD
Surr: Toluene-d8	79.1	76.5-116		%REC	202279	1	01/27/2015 19:50	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2,4,6-Trichlorophenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2,4-Dimethylphenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2-Chlorophenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2-Methylnaphthalene	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
2-Methylphenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
3,4-Methylphenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
4-Chloro-3-methylphenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Acenaphthene	0.82	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Acenaphthylene	0.93	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Anthracene	2.3	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Benz(a)anthracene	4.2	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Benzo(a)pyrene	3.4	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Benzo(b)fluoranthene	4.6	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Benzo(k)fluoranthene	1.4	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Carbazole	0.64	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Chrysene	4.7	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Dibenz(a,h)anthracene	0.59	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Dibenzofuran	0.52	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Fluoranthene	10	4.8		mg/Kg-dry	202041	10	01/26/2015 15:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-5
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 12:10:00 PM
Lab ID:	1501H06-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	1.3	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Indeno(1,2,3-cd)pyrene	2.8	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Naphthalene	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Pentachlorophenol	6.5	2.5		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Phenanthrene	6.6	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Phenol	BRL	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Pyrene	6.9	0.48		mg/Kg-dry	202041	1	01/23/2015 22:39	YH
Surr: 2,4,6-Tribromophenol	118	41-128		%REC	202041	1	01/23/2015 22:39	YH
Surr: 2-Fluorobiphenyl	91	47-120		%REC	202041	1	01/23/2015 22:39	YH
Surr: 2-Fluorophenol	77.8	38.3-120		%REC	202041	1	01/23/2015 22:39	YH
Surr: 4-Terphenyl-d14	89.6	51.4-125		%REC	202041	1	01/23/2015 22:39	YH
Surr: Nitrobenzene-d5	76.9	40.1-120		%REC	202041	1	01/23/2015 22:39	YH
Surr: Phenol-d5	85.3	40.3-120		%REC	202041	1	01/23/2015 22:39	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Barium	86.9	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Cadmium	BRL	3.42		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Chromium	60.8	3.42		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Cobalt	8.46	3.42		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Copper	31.6	3.42		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Lead	50.5	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Nickel	9.96	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Selenium	BRL	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Vanadium	44.9	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
Zinc	151	6.83		mg/Kg-dry	202292	1	01/28/2015 22:10	JL
PERCENT MOISTURE D2216								
Percent Moisture	31.1	0		wt%	R284621	1	01/28/2015 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-7
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:20:00 AM
Lab ID:	1501H06-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Acetone	BRL	50		ug/L	202374	1	01/29/2015 10:36	GK
2-Butanone	BRL	50		ug/L	202374	1	01/29/2015 10:36	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Benzene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
1,2-Dichloroethane	4.0	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Trichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Toluene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Tetrachloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Ethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
m,p-Xylene	BRL	2.0		ug/L	202374	1	01/29/2015 10:36	GK
o-Xylene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Styrene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 10:36	GK
Surr: 4-Bromofluorobenzene	97.1	70.6-123		%REC	202374	1	01/29/2015 10:36	GK
Surr: Dibromofluoromethane	96.9	78.7-124		%REC	202374	1	01/29/2015 10:36	GK
Surr: Toluene-d8	96.3	81.3-120		%REC	202374	1	01/29/2015 10:36	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
2,4-Dimethylphenol	39	10		ug/L	202241	1	01/28/2015 18:01	YH
2,4-Dinitrophenol	BRL	25		ug/L	202241	1	01/28/2015 18:01	YH
2-Chlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
2-Methylnaphthalene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
2-Methylphenol	24	10		ug/L	202241	1	01/28/2015 18:01	YH
3,4-Methylphenol	27	10		ug/L	202241	1	01/28/2015 18:01	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Acenaphthene	54	10		ug/L	202241	1	01/28/2015 18:01	YH
Acenaphthylene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Benz(a)anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Benzo(a)pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Benzo(b)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Carbazole	23	10		ug/L	202241	1	01/28/2015 18:01	YH
Chrysene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Dibenzofuran	30	10		ug/L	202241	1	01/28/2015 18:01	YH
Fluoranthene	14	10		ug/L	202241	1	01/28/2015 18:01	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-7
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:20:00 AM
Lab ID:	1501H06-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	38	10		ug/L	202241	1	01/28/2015 18:01	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Naphthalene	38	10		ug/L	202241	1	01/28/2015 18:01	YH
Pentachlorophenol	72	25		ug/L	202241	1	01/28/2015 18:01	YH
Phenanthrene	28	10		ug/L	202241	1	01/28/2015 18:01	YH
Phenol	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:01	YH
Surr: 2,4,6-Tribromophenol	113	52-133		%REC	202241	1	01/28/2015 18:01	YH
Surr: 2-Fluorobiphenyl	87.3	50-121		%REC	202241	1	01/28/2015 18:01	YH
Surr: 2-Fluorophenol	53.4	27.5-120		%REC	202241	1	01/28/2015 18:01	YH
Surr: 4-Terphenyl-d14	84.9	46.3-137		%REC	202241	1	01/28/2015 18:01	YH
Surr: Nitrobenzene-d5	82.5	41.2-121		%REC	202241	1	01/28/2015 18:01	YH
Surr: Phenol-d5	36.2	14.3-120		%REC	202241	1	01/28/2015 18:01	YH
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	202302	1	01/28/2015 19:34	JL
Barium	0.0756	0.0200		mg/L	202302	1	01/28/2015 19:34	JL
Cadmium	BRL	0.0050		mg/L	202302	1	01/28/2015 19:34	JL
Chromium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:34	JL
Cobalt	BRL	0.0200		mg/L	202302	1	01/28/2015 19:34	JL
Copper	BRL	0.0100		mg/L	202302	1	01/28/2015 19:34	JL
Lead	BRL	0.0100		mg/L	202302	1	01/28/2015 19:34	JL
Nickel	BRL	0.0200		mg/L	202302	1	01/28/2015 19:34	JL
Selenium	BRL	0.0200		mg/L	202302	1	01/28/2015 19:34	JL
Vanadium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:34	JL
Zinc	0.0305	0.0200		mg/L	202302	1	01/28/2015 19:34	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-7
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:20:00 AM
Lab ID:	1501H06-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Acetone	BRL	0.098		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
2-Butanone	BRL	0.049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
1,1,1-Trichloroethane	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Benzene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
1,2-Dichloroethane	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Trichloroethene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Toluene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Tetrachloroethene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Ethylbenzene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
m,p-Xylene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
o-Xylene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Styrene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
1,3,5-Trimethylbenzene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
1,2,4-Trimethylbenzene	BRL	0.0049		mg/Kg-dry	202279	1	01/27/2015 20:15	MD
Surr: 4-Bromofluorobenzene	79.6	70-128		%REC	202279	1	01/27/2015 20:15	MD
Surr: Dibromofluoromethane	86.8	78.2-128		%REC	202279	1	01/27/2015 20:15	MD
Surr: Toluene-d8	81.6	76.5-116		%REC	202279	1	01/27/2015 20:15	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2,4,6-Trichlorophenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2,4-Dimethylphenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2,4-Dinitrophenol	BRL	2.4		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2-Chlorophenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2-Methylnaphthalene	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
2-Methylphenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
3,4-Methylphenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
4-Chloro-3-methylphenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Acenaphthene	1.2	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Acenaphthylene	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Anthracene	2.5	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Benz(a)anthracene	2.9	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Benzo(a)pyrene	1.2	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Benzo(b)fluoranthene	2.0	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Benzo(k)fluoranthene	0.71	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Carbazole	0.71	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Chrysene	3.1	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Dibenz(a,h)anthracene	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Dibenzofuran	0.79	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Fluoranthene	11	4.6		mg/Kg-dry	202041	10	01/26/2015 15:45	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-7
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:20:00 AM
Lab ID:	1501H06-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3550C)**			
Fluorene	1.7	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Indeno(1,2,3-cd)pyrene	0.75	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Naphthalene	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Pentachlorophenol	BRL	2.4		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Phenanthrene	5.2	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Phenol	BRL	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Pyrene	7.1	0.46		mg/Kg-dry	202041	1	01/23/2015 23:05	YH
Surr: 2,4,6-Tribromophenol	106	41-128		%REC	202041	1	01/23/2015 23:05	YH
Surr: 2-Fluorobiphenyl	81.8	47-120		%REC	202041	1	01/23/2015 23:05	YH
Surr: 2-Fluorophenol	68.5	38.3-120		%REC	202041	1	01/23/2015 23:05	YH
Surr: 4-Terphenyl-d14	81.2	51.4-125		%REC	202041	1	01/23/2015 23:05	YH
Surr: Nitrobenzene-d5	69.5	40.1-120		%REC	202041	1	01/23/2015 23:05	YH
Surr: Phenol-d5	75.7	40.3-120		%REC	202041	1	01/23/2015 23:05	YH
METALS, TOTAL SW6010C					**(SW3050B)**			
Arsenic	BRL	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Barium	25.4	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Cadmium	BRL	3.34		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Chromium	12.7	3.34		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Cobalt	3.59	3.34		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Copper	11.0	3.34		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Lead	15.1	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Nickel	BRL	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Selenium	BRL	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Vanadium	12.6	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
Zinc	63.0	6.68		mg/Kg-dry	202292	1	01/28/2015 22:14	JL
PERCENT MOISTURE D2216								
Percent Moisture	28.7	0		wt%	R284621	1	01/28/2015 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-8
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:00:00 AM
Lab ID:	1501H06-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Acetone	BRL	50		ug/L	202374	1	01/29/2015 11:06	GK
2-Butanone	BRL	50		ug/L	202374	1	01/29/2015 11:06	GK
1,1,1-Trichloroethane	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Benzene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
1,2-Dichloroethane	3.8	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Trichloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Toluene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Tetrachloroethene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Ethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
m,p-Xylene	BRL	2.0		ug/L	202374	1	01/29/2015 11:06	GK
o-Xylene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Styrene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	202374	1	01/29/2015 11:06	GK
Surr: 4-Bromofluorobenzene	95	70.6-123		%REC	202374	1	01/29/2015 11:06	GK
Surr: Dibromofluoromethane	95.2	78.7-124		%REC	202374	1	01/29/2015 11:06	GK
Surr: Toluene-d8	97.1	81.3-120		%REC	202374	1	01/29/2015 11:06	GK
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
2,4-Dimethylphenol	13	10		ug/L	202241	1	01/28/2015 18:27	YH
2,4-Dinitrophenol	BRL	25		ug/L	202241	1	01/28/2015 18:27	YH
2-Chlorophenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
2-Methylnaphthalene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
2-Methylphenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
3,4-Methylphenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Acenaphthene	23	10		ug/L	202241	1	01/28/2015 18:27	YH
Acenaphthylene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Benz(a)anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Benzo(a)pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Benzo(b)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Benzo(k)fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Carbazole	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Chrysene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Dibenzofuran	11	10		ug/L	202241	1	01/28/2015 18:27	YH
Fluoranthene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-8
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:00:00 AM
Lab ID:	1501H06-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3510C)**			
Fluorene	17	10		ug/L	202241	1	01/28/2015 18:27	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Naphthalene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Pentachlorophenol	35	25		ug/L	202241	1	01/28/2015 18:27	YH
Phenanthrene	11	10		ug/L	202241	1	01/28/2015 18:27	YH
Phenol	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Pyrene	BRL	10		ug/L	202241	1	01/28/2015 18:27	YH
Surr: 2,4,6-Tribromophenol	114	52-133		%REC	202241	1	01/28/2015 18:27	YH
Surr: 2-Fluorobiphenyl	88.1	50-121		%REC	202241	1	01/28/2015 18:27	YH
Surr: 2-Fluorophenol	60	27.5-120		%REC	202241	1	01/28/2015 18:27	YH
Surr: 4-Terphenyl-d14	90.5	46.3-137		%REC	202241	1	01/28/2015 18:27	YH
Surr: Nitrobenzene-d5	87.8	41.2-121		%REC	202241	1	01/28/2015 18:27	YH
Surr: Phenol-d5	41.3	14.3-120		%REC	202241	1	01/28/2015 18:27	YH
METALS, TOTAL SW6010C					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	202302	1	01/28/2015 19:38	JL
Barium	0.0652	0.0200		mg/L	202302	1	01/28/2015 19:38	JL
Cadmium	BRL	0.0050		mg/L	202302	1	01/28/2015 19:38	JL
Chromium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:38	JL
Cobalt	0.0281	0.0200		mg/L	202302	1	01/28/2015 19:38	JL
Copper	BRL	0.0100		mg/L	202302	1	01/28/2015 19:38	JL
Lead	BRL	0.0100		mg/L	202302	1	01/28/2015 19:38	JL
Nickel	BRL	0.0200		mg/L	202302	1	01/28/2015 19:38	JL
Selenium	BRL	0.0200		mg/L	202302	1	01/28/2015 19:38	JL
Vanadium	BRL	0.0100		mg/L	202302	1	01/28/2015 19:38	JL
Zinc	0.0253	0.0200		mg/L	202302	1	01/28/2015 19:38	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-8
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:00:00 AM
Lab ID:	1501H06-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Acetone	BRL	0.077		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
2-Butanone	BRL	0.039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
1,1,1-Trichloroethane	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Benzene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
1,2-Dichloroethane	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Trichloroethene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Toluene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Tetrachloroethene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Ethylbenzene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
m,p-Xylene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
o-Xylene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Styrene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
1,3,5-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
1,2,4-Trimethylbenzene	BRL	0.0039		mg/Kg-dry	202279	1	01/27/2015 20:41	MD
Surr: 4-Bromofluorobenzene	80.1	70-128		%REC	202279	1	01/27/2015 20:41	MD
Surr: Dibromofluoromethane	84.1	78.2-128		%REC	202279	1	01/27/2015 20:41	MD
Surr: Toluene-d8	81.1	76.5-116		%REC	202279	1	01/27/2015 20:41	MD
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Anthracene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Benz(a)anthracene	0.63	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Benzo(b)fluoranthene	0.88	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Carbazole	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Chrysene	0.68	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Fluoranthene	2.5	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 30-Jan-15

Client:	Envirorisk Consultants	**Client Sample ID:**	SED/SW-8
Project Name:	WC Meredith ER-437 Phase 4	**Collection Date:**	1/21/2015 11:00:00 AM
Lab ID:	1501H06-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D					**(SW3550C)**			
Fluorene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Naphthalene	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Phenanthrene	0.89	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Phenol	BRL	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Pyrene	1.5	0.41		mg/Kg-dry	202041	1	01/23/2015 23:30	YH
Surr: 2,4,6-Tribromophenol	119	41-128		%REC	202041	1	01/23/2015 23:30	YH
Surr: 2-Fluorobiphenyl	91.7	47-120		%REC	202041	1	01/23/2015 23:30	YH
Surr: 2-Fluorophenol	79.5	38.3-120		%REC	202041	1	01/23/2015 23:30	YH
Surr: 4-Terphenyl-d14	89.4	51.4-125		%REC	202041	1	01/23/2015 23:30	YH
Surr: Nitrobenzene-d5	79.1	40.1-120		%REC	202041	1	01/23/2015 23:30	YH
Surr: Phenol-d5	87.2	40.3-120		%REC	202041	1	01/23/2015 23:30	YH
METALS, TOTAL SW6010C					**(SW3050B)**			
Arsenic	BRL	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Barium	35.3	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Cadmium	BRL	2.92		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Chromium	17.1	2.92		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Cobalt	BRL	2.92		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Copper	7.32	2.92		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Lead	10.1	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Nickel	BRL	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Selenium	BRL	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Vanadium	12.6	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
Zinc	24.8	5.84		mg/Kg-dry	202292	1	01/28/2015 22:17	JL
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R284621	1	01/28/2015 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Environsk Consultants Work Order Number 1501H06

Checklist completed by Jason B 1/22/15
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by SB

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202041

Sample ID: **MB-202041** Client ID: Units: **ug/Kg** Prep Date: **01/23/2015** Run No: **284406**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029638**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202041

Sample ID: **MB-202041** Client ID: Units: **ug/Kg** Prep Date: **01/23/2015** Run No: **284406**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029638**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	3463	0	3333		104	41	128				
Surr: 2-Fluorobiphenyl	1312	0	1667		78.7	47	120				
Surr: 2-Fluorophenol	2261	0	3333		67.8	38.3	120				
Surr: 4-Terphenyl-d14	1475	0	1667		88.5	51.4	125				
Surr: Nitrobenzene-d5	1090	0	1667		65.4	40.1	120				
Surr: Phenol-d5	2387	0	3333		71.6	40.3	120				

Sample ID: **LCS-202041** Client ID: Units: **ug/Kg** Prep Date: **01/23/2015** Run No: **284406**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029639**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2473	330	3333		74.2	51	120				
4-Chloro-3-methylphenol	2630	330	3333		78.9	54	120				
Acenaphthene	2801	330	3333		84.0	57.9	120				
Pentachlorophenol	3284	1700	3333		98.5	41.8	120				
Phenol	2253	330	3333		67.6	50.1	120				
Pyrene	2885	330	3333		86.6	59.4	120				
Surr: 2,4,6-Tribromophenol	4025	0	3333		121	41	128				
Surr: 2-Fluorobiphenyl	1478	0	1667		88.7	47	120				
Surr: 2-Fluorophenol	2430	0	3333		72.9	38.3	120				
Surr: 4-Terphenyl-d14	1678	0	1667		101	51.4	125				
Surr: Nitrobenzene-d5	1195	0	1667		71.7	40.1	120				
Surr: Phenol-d5	2609	0	3333		78.3	40.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202041

Sample ID: **1501G87-002CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **01/23/2015** Run No: **284406**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029641**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3138	440	4429		70.8	42.9	120				
4-Chloro-3-methylphenol	3341	440	4429		75.4	41.1	120				
Acenaphthene	3488	440	4429		78.8	51.5	120				
Pentachlorophenol	4064	2300	4429		91.8	38.4	120				
Phenol	2829	440	4429		63.9	41.5	120				
Pyrene	3474	440	4429		78.4	45.2	120				
Surr: 2,4,6-Tribromophenol	4923	0	4429		111	41	128				
Surr: 2-Fluorobiphenyl	1852	0	2215		83.6	47	120				
Surr: 2-Fluorophenol	3104	0	4429		70.1	38.3	120				
Surr: 4-Terphenyl-d14	1988	0	2215		89.8	51.4	125				
Surr: Nitrobenzene-d5	1527	0	2215		69.0	40.1	120				
Surr: Phenol-d5	3334	0	4429		75.3	40.3	120				

Sample ID: **1501G87-002CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **01/23/2015** Run No: **284406**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029642**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3407	440	4429		76.9	42.9	120	3138	8.24	30.7	
4-Chloro-3-methylphenol	3481	440	4429		78.6	41.1	120	3341	4.13	40.5	
Acenaphthene	3648	440	4429		82.4	51.5	120	3488	4.48	26.3	
Pentachlorophenol	4136	2300	4429		93.4	38.4	120	4064	1.74	35.9	
Phenol	2995	440	4429		67.6	41.5	120	2829	5.67	37.4	
Pyrene	3505	440	4429		79.1	45.2	120	3474	0.901	35	
Surr: 2,4,6-Tribromophenol	5029	0	4429		114	41	128	4923	0	0	
Surr: 2-Fluorobiphenyl	1953	0	2215		88.2	47	120	1852	0	0	
Surr: 2-Fluorophenol	3368	0	4429		76.0	38.3	120	3104	0	0	
Surr: 4-Terphenyl-d14	1998	0	2215		90.2	51.4	125	1988	0	0	
Surr: Nitrobenzene-d5	1667	0	2215		75.3	40.1	120	1527	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202041

Sample ID: **1501G87-002CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **01/23/2015** Run No: **284406**
BatchID: **202041** Analysis Date: **01/23/2015** Seq No: **6029642**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3502	0	4429		79.1	40.3	120	3334	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202241

Sample ID: **MB-202241** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6034279**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202241

Sample ID: **MB-202241** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6034279**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	75.14	0	100.0		75.1	52	133				
Surr: 2-Fluorobiphenyl	32.45	0	50.00		64.9	50	121				
Surr: 2-Fluorophenol	49.36	0	100.0		49.4	27.5	120				
Surr: 4-Terphenyl-d14	35.81	0	50.00		71.6	46.3	137				
Surr: Nitrobenzene-d5	30.96	0	50.00		61.9	41.2	121				
Surr: Phenol-d5	31.61	0	100.0		31.6	14.3	120				

Sample ID: **LCS-202241** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6034277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	89.29	10	100.0		89.3	59.8	120				
4-Chloro-3-methylphenol	93.68	10	100.0		93.7	65.7	126				
Acenaphthene	92.92	10	100.0		92.9	68.2	124				
Pentachlorophenol	72.99	25	100.0		73.0	50.2	136				
Phenol	36.18	10	100.0		36.2	25.6	120				
Pyrene	98.16	10	100.0		98.2	70.1	124				
Surr: 2,4,6-Tribromophenol	121.6	0	100.0		122	52	133				
Surr: 2-Fluorobiphenyl	50.39	0	50.00		101	50	121				
Surr: 2-Fluorophenol	67.85	0	100.0		67.8	27.5	120				
Surr: 4-Terphenyl-d14	53.37	0	50.00		107	46.3	137				
Surr: Nitrobenzene-d5	49.81	0	50.00		99.6	41.2	121				
Surr: Phenol-d5	41.93	0	100.0		41.9	14.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202241

Sample ID: **1501H14-007BMS** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6035758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	85.23	10	100.0		85.2	51.4	120				
4-Chloro-3-methylphenol	BRL	10	100.0		0	50	121				S
Acenaphthene	102.6	10	100.0		103	53.9	120				
Phenol	50.17	10	100.0		50.2	31	120				
Pyrene	90.14	10	100.0	2.020	88.1	53	112				
Surr: 2,4,6-Tribromophenol	111.7	0	100.0		112	52	133				
Surr: 2-Fluorobiphenyl	45.00	0	50.00		90.0	50	121				
Surr: 2-Fluorophenol	72.20	0	100.0		72.2	27.5	120				
Surr: 4-Terphenyl-d14	45.90	0	50.00		91.8	46.3	137				
Surr: Nitrobenzene-d5	48.61	0	50.00		97.2	41.2	121				
Surr: Phenol-d5	54.58	0	100.0		54.6	14.3	120				

Sample ID: **1501H14-007BMS** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284699**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/29/2015** Seq No: **6038344**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	148.7	130	100.0	86.69	62.0	42.1	134				

Sample ID: **1501H14-007BMSD** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6035759**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	85.12	10	100.0		85.1	51.4	120	85.23	0.129	27.3	
4-Chloro-3-methylphenol	96.44	10	100.0		96.4	50	121	0	200	26.5	R
Acenaphthene	100.9	10	100.0		101	53.9	120	102.6	1.64	22.5	
Phenol	49.60	10	100.0		49.6	31	120	50.17	1.14	31.9	
Pyrene	89.14	10	100.0	2.020	87.1	53	112	90.14	1.12	22.3	
Surr: 2,4,6-Tribromophenol	119.4	0	100.0		119	52	133	111.7	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202241

Sample ID: **1501H14-007BMSD** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284585**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/28/2015** Seq No: **6035759**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	47.53	0	50.00		95.1	50	121	45.00	0	0	
Surr: 2-Fluorophenol	76.73	0	100.0		76.7	27.5	120	72.20	0	0	
Surr: 4-Terphenyl-d14	47.73	0	50.00		95.5	46.3	137	45.90	0	0	
Surr: Nitrobenzene-d5	50.58	0	50.00		101	41.2	121	48.61	0	0	
Surr: Phenol-d5	58.46	0	100.0		58.5	14.3	120	54.58	0	0	

Sample ID: **1501H14-007BMSD** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284699**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **202241** Analysis Date: **01/29/2015** Seq No: **6038345**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	161.9	130	100.0	86.69	75.2	42.1	134	161.9	0	28.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202279

Sample ID: **MB-202279** Client ID: Units: **ug/Kg** Prep Date: **01/27/2015** Run No: **284566**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202279** Analysis Date: **01/27/2015** Seq No: **6033202**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	43.54	0	50.00		87.1	70	128				
Surr: Dibromofluoromethane	43.72	0	50.00		87.4	78.2	128				
Surr: Toluene-d8	42.10	0	50.00		84.2	76.5	116				

Sample ID: **LCS-202279** Client ID: Units: **ug/Kg** Prep Date: **01/27/2015** Run No: **284566**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202279** Analysis Date: **01/27/2015** Seq No: **6033193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.79	5.0	50.00		93.6	69.9	145				
Benzene	44.26	5.0	50.00		88.5	72.3	130				
Toluene	41.74	5.0	50.00		83.5	71.1	130				
Trichloroethene	45.68	5.0	50.00		91.4	71.7	136				
Surr: 4-Bromofluorobenzene	44.53	0	50.00		89.1	70	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202279

Sample ID: **LCS-202279** Client ID: Units: **ug/Kg** Prep Date: **01/27/2015** Run No: **284566**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202279** Analysis Date: **01/27/2015** Seq No: **6033193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	44.43	0	50.00		88.9	78.2	128				
Surr: Toluene-d8	43.28	0	50.00		86.6	76.5	116				

Sample ID: **1501H17-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **01/27/2015** Run No: **284566**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202279** Analysis Date: **01/27/2015** Seq No: **6033196**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	30.90	3.4	34.21		90.3	56.6	151				
Benzene	29.59	3.4	34.21		86.5	70.4	130				
Toluene	27.68	3.4	34.21		80.9	70.4	130				
Trichloroethene	30.45	3.4	34.21		89.0	70.1	137				
Surr: 4-Bromofluorobenzene	29.53	0	34.21		86.3	70	128				
Surr: Dibromofluoromethane	28.90	0	34.21		84.5	78.2	128				
Surr: Toluene-d8	28.72	0	34.21		83.9	76.5	116				

Sample ID: **1501H17-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **01/27/2015** Run No: **284566**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202279** Analysis Date: **01/27/2015** Seq No: **6033199**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	30.96	3.4	34.21		90.5	56.6	151	30.90	0.199	20.4	
Benzene	29.83	3.4	34.21		87.2	70.4	130	29.59	0.806	16.9	
Toluene	27.45	3.4	34.21		80.2	70.4	130	27.68	0.844	16.6	
Trichloroethene	30.66	3.4	34.21		89.6	70.1	137	30.45	0.672	17	
Surr: 4-Bromofluorobenzene	30.17	0	34.21		88.2	70	128	29.53	0	0	
Surr: Dibromofluoromethane	29.33	0	34.21		85.7	78.2	128	28.90	0	0	
Surr: Toluene-d8	28.94	0	34.21		84.6	76.5	116	28.72	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202292

Sample ID: **MB-202292** Client ID: Units: **mg/Kg** Prep Date: **01/28/2015** Run No: **284613**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202292** Analysis Date: **01/28/2015** Seq No: **6034128**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Lead	BRL	5.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-202292** Client ID: Units: **mg/Kg** Prep Date: **01/28/2015** Run No: **284613**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202292** Analysis Date: **01/28/2015** Seq No: **6034129**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.65	5.00	50.00		95.3	80	120				
Barium	47.81	5.00	50.00		95.6	80	120				
Cadmium	47.22	2.50	50.00		94.4	80	120				
Chromium	49.02	2.50	50.00	0.09584	97.8	80	120				
Cobalt	47.94	2.50	50.00		95.9	80	120				
Copper	48.42	2.50	50.00		96.8	80	120				
Lead	47.61	5.00	50.00		95.2	80	120				
Nickel	47.65	5.00	50.00		95.3	80	120				
Selenium	49.55	5.00	50.00		99.1	80	120				
Vanadium	47.99	5.00	50.00		96.0	80	120				
Zinc	47.26	5.00	50.00		94.5	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202292

Sample ID: **1501L18-001AMS** Client ID:
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C**
Units: **mg/Kg-dry** Prep Date: **01/28/2015** Run No: **284613**
BatchID: **202292** Analysis Date: **01/28/2015** Seq No: **6034131**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	119.3	12.7	126.5		94.3	75	125				
Barium	230.0	12.7	126.5	113.1	92.4	75	125				
Cadmium	120.0	6.33	126.5		94.9	75	125				
Chromium	144.1	6.33	126.5	32.95	87.9	75	125				
Cobalt	122.8	6.33	126.5	2.094	95.4	75	125				
Copper	137.0	6.33	126.5	18.56	93.6	75	125				
Lead	138.4	12.7	126.5	22.84	91.4	75	125				
Nickel	163.8	12.7	126.5	28.76	107	75	125				
Selenium	132.3	12.7	126.5	5.424	100	75	125				
Vanadium	148.9	12.7	126.5	27.59	95.9	75	125				
Zinc	204.7	12.7	126.5	66.58	109	75	125				

Sample ID: **1501L18-001AMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C**
Units: **mg/Kg-dry** Prep Date: **01/28/2015** Run No: **284613**
BatchID: **202292** Analysis Date: **01/28/2015** Seq No: **6034132**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	123.1	12.7	126.5		97.3	75	125	119.3	3.10	20	
Barium	236.1	12.7	126.5	113.1	97.3	75	125	230.0	2.65	20	
Cadmium	122.5	6.33	126.5		96.8	75	125	120.0	2.06	20	
Chromium	145.4	6.33	126.5	32.95	88.8	75	125	144.1	0.839	20	
Cobalt	125.4	6.33	126.5	2.094	97.4	75	125	122.8	2.07	20	
Copper	140.8	6.33	126.5	18.56	96.6	75	125	137.0	2.74	20	
Lead	140.9	12.7	126.5	22.84	93.3	75	125	138.4	1.77	20	
Nickel	182.9	12.7	126.5	28.76	122	75	125	163.8	11.0	20	
Selenium	140.8	12.7	126.5	5.424	107	75	125	132.3	6.19	20	
Vanadium	153.1	12.7	126.5	27.59	99.2	75	125	148.9	2.77	20	
Zinc	252.9	12.7	126.5	66.58	147	75	125	204.7	21.1	20	SR

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202302

Sample ID: **MB-202302** Client ID: Units: **mg/L** Prep Date: **01/28/2015** Run No: **284669**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202302** Analysis Date: **01/28/2015** Seq No: **6035340**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-202302** Client ID: Units: **mg/L** Prep Date: **01/28/2015** Run No: **284669**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202302** Analysis Date: **01/28/2015** Seq No: **6035341**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.013	0.0500	1.000		101	80	120				
Barium	1.009	0.0200	1.000		101	80	120				
Cadmium	1.018	0.0050	1.000		102	80	120				
Chromium	1.010	0.0100	1.000	0.0003497	101	80	120				
Cobalt	1.020	0.0200	1.000		102	80	120				
Copper	1.011	0.0100	1.000		101	80	120				
Lead	1.015	0.0100	1.000		102	80	120				
Nickel	1.014	0.0200	1.000		101	80	120				
Selenium	0.9790	0.0200	1.000		97.9	80	120				
Vanadium	1.008	0.0100	1.000		101	80	120				
Zinc	1.015	0.0200	1.000		101	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202302

Sample ID: **1501G91-010CMS** Client ID: Units: **mg/L** Prep Date: **01/28/2015** Run No: **284669**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202302** Analysis Date: **01/28/2015** Seq No: **6035344**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9900	0.0500	1.000		99.0	75	125				
Barium	1.154	0.0200	1.000	0.1696	98.4	75	125				
Cadmium	0.9908	0.0050	1.000		99.1	75	125				
Chromium	0.9876	0.0100	1.000	0.001063	98.7	75	125				
Cobalt	0.9995	0.0200	1.000	0.005530	99.4	75	125				
Copper	0.9890	0.0100	1.000		98.9	75	125				
Lead	0.9894	0.0100	1.000		98.9	75	125				
Nickel	0.9913	0.0200	1.000		99.1	75	125				
Selenium	0.9787	0.0200	1.000	0.02941	94.9	75	125				
Vanadium	0.9850	0.0100	1.000		98.5	75	125				
Zinc	1.000	0.0200	1.000	0.007000	99.3	75	125				

Sample ID: **1501G91-010CMSD** Client ID: Units: **mg/L** Prep Date: **01/28/2015** Run No: **284669**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202302** Analysis Date: **01/28/2015** Seq No: **6035345**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.005	0.0500	1.000		101	75	125	0.9900	1.51	20	
Barium	1.161	0.0200	1.000	0.1696	99.1	75	125	1.154	0.598	20	
Cadmium	0.9982	0.0050	1.000		99.8	75	125	0.9908	0.745	20	
Chromium	0.9954	0.0100	1.000	0.001063	99.4	75	125	0.9876	0.781	20	
Cobalt	1.007	0.0200	1.000	0.005530	100	75	125	0.9995	0.759	20	
Copper	0.9958	0.0100	1.000		99.6	75	125	0.9890	0.684	20	
Lead	0.9966	0.0100	1.000		99.7	75	125	0.9894	0.724	20	
Nickel	0.9947	0.0200	1.000		99.5	75	125	0.9913	0.350	20	
Selenium	1.040	0.0200	1.000	0.02941	101	75	125	0.9787	6.03	20	
Vanadium	0.9915	0.0100	1.000		99.1	75	125	0.9850	0.655	20	
Zinc	1.007	0.0200	1.000	0.007000	100.0	75	125	1.000	0.680	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202374

Sample ID: **MB-202374** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284676**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202374** Analysis Date: **01/28/2015** Seq No: **6035599**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	42.08	0	50.00		84.2	70.6	123				
Surr: Dibromofluoromethane	49.65	0	50.00		99.3	78.7	124				
Surr: Toluene-d8	48.22	0	50.00		96.4	81.3	120				

Sample ID: **LCS-202374** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284676**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202374** Analysis Date: **01/28/2015** Seq No: **6035598**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.68	5.0	50.00		121	64.2	137				
Benzene	55.75	5.0	50.00		112	72.8	128				
Toluene	57.69	5.0	50.00		115	74.9	127				
Trichloroethene	56.01	5.0	50.00		112	70.5	134				
Surr: 4-Bromofluorobenzene	47.32	0	50.00		94.6	70.6	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith ER-437 Phase 4
Workorder: 1501H06

ANALYTICAL QC SUMMARY REPORT

BatchID: 202374

Sample ID: **LCS-202374** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284676**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202374** Analysis Date: **01/28/2015** Seq No: **6035598**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	47.73	0	50.00		95.5	78.7	124				
Surr: Toluene-d8	46.72	0	50.00		93.4	81.3	120				

Sample ID: **1501L39-002AMS** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284676**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202374** Analysis Date: **01/28/2015** Seq No: **6035601**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	636.5	50	500.0		127	60.5	156				
Benzene	579.2	50	500.0		116	70	135				
Toluene	606.9	50	500.0		121	70.5	137				
Trichloroethene	575.8	50	500.0		115	71.8	139				
Surr: 4-Bromofluorobenzene	439.4	0	500.0		87.9	70.6	123				
Surr: Dibromofluoromethane	487.5	0	500.0		97.5	78.7	124				
Surr: Toluene-d8	480.4	0	500.0		96.1	81.3	120				

Sample ID: **1501L39-002AMSD** Client ID: Units: **ug/L** Prep Date: **01/28/2015** Run No: **284676**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **202374** Analysis Date: **01/28/2015** Seq No: **6035602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	614.1	50	500.0		123	60.5	156	636.5	3.58	20	
Benzene	560.3	50	500.0		112	70	135	579.2	3.32	20	
Toluene	565.9	50	500.0		113	70.5	137	606.9	6.99	20	
Trichloroethene	545.8	50	500.0		109	71.8	139	575.8	5.35	20	
Surr: 4-Bromofluorobenzene	440.5	0	500.0		88.1	70.6	123	439.4	0	0	
Surr: Dibromofluoromethane	495.3	0	500.0		99.1	78.7	124	487.5	0	0	
Surr: Toluene-d8	464.5	0	500.0		92.9	81.3	120	480.4	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

February 02, 2016

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: WC Meredith

Dear Kenneth C. Summerour: Order No: 1601J20

Analytical Environmental Services, Inc. received 7 samples on 1/26/2016 4:25:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1601J20

Date: 1/26/16 Page 1 of 1

COMPANY: ENVIRORISK CONSULTANTS, INC.
ADDRESS: P.O. Box 945 GRAYSON, GEORGIA
PHONE: 678-635-7360
FAX: 678-635-7380
SAMPLED BY: JASON P. CHAPPELL
SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	SVOCs	VOCs	PRESERVATION (See codes)		No # of Containers	REMARKS
1	TW-13	1/26/16	11:20	✓		GW	✓	✓			4	
2	TW-14		11:45	✓		GW	✓	✓			4	
3	TW-15		12:05	✓		GW	✓	✓			4	
4	TW-17		10:40	✓		GW	✓	✓			3	
5	TW-18		10:00	✓		GW	✓	✓			4	
6	TW-19		10:45	✓		GW	✓	✓			3	
7												
8												
9												
10												
11												
12												
13												
14												

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	1/26/16 1625	1:	1/26/16
2:		2:	4:25
3:		3:	

PROJECT INFORMATION
PROJECT NAME: W.C. Meredith
PROJECT #: ER-437
SITE ADDRESS: East Point, Georgia
SEND REPORT TO: Ken Summerour
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
Please run site specific analysis

SHIPMENT METHOD
OUT VIA:
IN VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 2-Feb-16

Client: Envirorisk Consultants
Project: WC Meredith
Lab ID: 1601J20

Case Narrative

Sample Receiving Nonconformance:

Sample TW-18 was received with 1 of 2 ambers broken.

Only 1 of 2 full amber bottle was received for samples TW-17 and TW-19.

Analytical Environmental Services, Inc

Date: 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 11:20:00 AM
Lab ID:	1601J20-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	3.7	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 11:25	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 11:25	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
1,2-Dichloroethane	31	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Trichloroethene	2.2	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Tetrachloroethene	6.9	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 11:25	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:25	NP
Surr: 4-Bromofluorobenzene	92	70.7-125		%REC	219059	1	01/28/2016 11:25	NP
Surr: Dibromofluoromethane	114	82.2-120		%REC	219059	1	01/28/2016 11:25	NP
Surr: Toluene-d8	105	81.8-120		%REC	219059	1	01/28/2016 11:25	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 18:14	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Acenaphthene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Benz(a)anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Dibenzofuran	32	10		ug/L	219117	1	01/29/2016 18:14	YH
Fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 11:20:00 AM
Lab ID:	1601J20-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Naphthalene	340	100		ug/L	219117	10	02/01/2016 12:43	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 18:14	YH
Phenanthrene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:14	YH
Surr: 2,4,6-Tribromophenol	110	51.5-141		%REC	219117	1	01/29/2016 18:14	YH
Surr: 2-Fluorobiphenyl	99.2	50.8-122		%REC	219117	1	01/29/2016 18:14	YH
Surr: 2-Fluorophenol	65.7	28.1-120		%REC	219117	1	01/29/2016 18:14	YH
Surr: 4-Terphenyl-d14	73	47.2-131		%REC	219117	1	01/29/2016 18:14	YH
Surr: Nitrobenzene-d5	80.1	42.1-124		%REC	219117	1	01/29/2016 18:14	YH
Surr: Phenol-d5	51	16-120		%REC	219117	1	01/29/2016 18:14	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 11:45:00 AM
Lab ID:	1601J20-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 11:48	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 11:48	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
1,2-Dichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Tetrachloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 11:48	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 11:48	NP
Surr: 4-Bromofluorobenzene	91.5	70.7-125		%REC	219059	1	01/28/2016 11:48	NP
Surr: Dibromofluoromethane	112	82.2-120		%REC	219059	1	01/28/2016 11:48	NP
Surr: Toluene-d8	104	81.8-120		%REC	219059	1	01/28/2016 11:48	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 18:38	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Acenaphthene	73	10		ug/L	219117	1	01/29/2016 18:38	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Benz(a)anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Dibenzofuran	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 11:45:00 AM
Lab ID:	1601J20-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	49	10		ug/L	219117	1	01/29/2016 18:38	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Naphthalene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 18:38	YH
Phenanthrene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Pyrene	BRL	10		ug/L	219117	1	01/29/2016 18:38	YH
Surr: 2,4,6-Tribromophenol	100	51.5-141		%REC	219117	1	01/29/2016 18:38	YH
Surr: 2-Fluorobiphenyl	96.9	50.8-122		%REC	219117	1	01/29/2016 18:38	YH
Surr: 2-Fluorophenol	40.9	28.1-120		%REC	219117	1	01/29/2016 18:38	YH
Surr: 4-Terphenyl-d14	79.9	47.2-131		%REC	219117	1	01/29/2016 18:38	YH
Surr: Nitrobenzene-d5	80.9	42.1-124		%REC	219117	1	01/29/2016 18:38	YH
Surr: Phenol-d5	24.5	16-120		%REC	219117	1	01/29/2016 18:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 12:05:00 PM
Lab ID:	1601J20-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 12:11	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 12:11	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
1,2-Dichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Tetrachloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 12:11	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:11	NP
Surr: 4-Bromofluorobenzene	88.1	70.7-125		%REC	219059	1	01/28/2016 12:11	NP
Surr: Dibromofluoromethane	114	82.2-120		%REC	219059	1	01/28/2016 12:11	NP
Surr: Toluene-d8	104	81.8-120		%REC	219059	1	01/28/2016 12:11	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 19:03	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Acenaphthene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Benz(a)anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Dibenzofuran	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 12:05:00 PM
Lab ID:	1601J20-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Naphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 19:03	YH
Phenanthrene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:03	YH
Surr: 2,4,6-Tribromophenol	103	51.5-141		%REC	219117	1	01/29/2016 19:03	YH
Surr: 2-Fluorobiphenyl	98	50.8-122		%REC	219117	1	01/29/2016 19:03	YH
Surr: 2-Fluorophenol	44.9	28.1-120		%REC	219117	1	01/29/2016 19:03	YH
Surr: 4-Terphenyl-d14	66.6	47.2-131		%REC	219117	1	01/29/2016 19:03	YH
Surr: Nitrobenzene-d5	80.8	42.1-124		%REC	219117	1	01/29/2016 19:03	YH
Surr: Phenol-d5	28.8	16-120		%REC	219117	1	01/29/2016 19:03	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:40:00 AM
Lab ID:	1601J20-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	3.3	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 12:35	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 12:35	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Benzene	1.1	1.0		ug/L	219059	1	01/28/2016 12:35	NP
1,2-Dichloroethane	16	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Tetrachloroethene	2.2	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 12:35	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:35	NP
Surr: 4-Bromofluorobenzene	87.9	70.7-125		%REC	219059	1	01/28/2016 12:35	NP
Surr: Dibromofluoromethane	112	82.2-120		%REC	219059	1	01/28/2016 12:35	NP
Surr: Toluene-d8	102	81.8-120		%REC	219059	1	01/28/2016 12:35	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 19:29	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Acenaphthene	18	10		ug/L	219117	1	01/29/2016 19:29	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Anthracene	12	10		ug/L	219117	1	01/29/2016 19:29	YH
Benz(a)anthracene	10	10		ug/L	219117	1	01/29/2016 19:29	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Dibenzofuran	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Fluoranthene	57	10		ug/L	219117	1	01/29/2016 19:29	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:40:00 AM
Lab ID:	1601J20-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	19	10		ug/L	219117	1	01/29/2016 19:29	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Naphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 19:29	YH
Phenanthrene	35	10		ug/L	219117	1	01/29/2016 19:29	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 19:29	YH
Pyrene	36	10		ug/L	219117	1	01/29/2016 19:29	YH
Surr: 2,4,6-Tribromophenol	106	51.5-141		%REC	219117	1	01/29/2016 19:29	YH
Surr: 2-Fluorobiphenyl	102	50.8-122		%REC	219117	1	01/29/2016 19:29	YH
Surr: 2-Fluorophenol	68.2	28.1-120		%REC	219117	1	01/29/2016 19:29	YH
Surr: 4-Terphenyl-d14	90	47.2-131		%REC	219117	1	01/29/2016 19:29	YH
Surr: Nitrobenzene-d5	89.2	42.1-124		%REC	219117	1	01/29/2016 19:29	YH
Surr: Phenol-d5	51.6	16-120		%REC	219117	1	01/29/2016 19:29	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:00:00 AM
Lab ID:	1601J20-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 12:58	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 12:58	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
1,2-Dichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Tetrachloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 12:58	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 12:58	NP
Surr: 4-Bromofluorobenzene	88.7	70.7-125		%REC	219059	1	01/28/2016 12:58	NP
Surr: Dibromofluoromethane	113	82.2-120		%REC	219059	1	01/28/2016 12:58	NP
Surr: Toluene-d8	103	81.8-120		%REC	219059	1	01/28/2016 12:58	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 19:55	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Acenaphthene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Benz(a)anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Dibenzofuran	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:00:00 AM
Lab ID:	1601J20-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Naphthalene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 19:55	YH
Phenanthrene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Pyrene	BRL	10		ug/L	219117	1	01/29/2016 19:55	YH
Surr: 2,4,6-Tribromophenol	86.1	51.5-141		%REC	219117	1	01/29/2016 19:55	YH
Surr: 2-Fluorobiphenyl	81.1	50.8-122		%REC	219117	1	01/29/2016 19:55	YH
Surr: 2-Fluorophenol	42.8	28.1-120		%REC	219117	1	01/29/2016 19:55	YH
Surr: 4-Terphenyl-d14	49.6	47.2-131		%REC	219117	1	01/29/2016 19:55	YH
Surr: Nitrobenzene-d5	72.3	42.1-124		%REC	219117	1	01/29/2016 19:55	YH
Surr: Phenol-d5	31.5	16-120		%REC	219117	1	01/29/2016 19:55	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:45:00 AM
Lab ID:	1601J20-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 13:21	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 13:21	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
1,2-Dichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Tetrachloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 13:21	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 13:21	NP
Surr: 4-Bromofluorobenzene	92.4	70.7-125		%REC	219059	1	01/28/2016 13:21	NP
Surr: Dibromofluoromethane	115	82.2-120		%REC	219059	1	01/28/2016 13:21	NP
Surr: Toluene-d8	103	81.8-120		%REC	219059	1	01/28/2016 13:21	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
2,4-Dimethylphenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
2,4-Dinitrophenol	BRL	25		ug/L	219117	1	01/29/2016 20:22	YH
2-Chlorophenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
2-Methylnaphthalene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
2-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
3,4-Methylphenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Acenaphthene	18	10		ug/L	219117	1	01/29/2016 20:22	YH
Acenaphthylene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Anthracene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Benz(a)anthracene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Benzo(a)pyrene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Benzo(b)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Benzo(k)fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Carbazole	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Chrysene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Dibenzofuran	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Fluoranthene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19
Project Name:	WC Meredith	**Collection Date:**	1/26/2016 10:45:00 AM
Lab ID:	1601J20-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	22	10		ug/L	219117	1	01/29/2016 20:22	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Naphthalene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Pentachlorophenol	BRL	25		ug/L	219117	1	01/29/2016 20:22	YH
Phenanthrene	23	10		ug/L	219117	1	01/29/2016 20:22	YH
Phenol	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Pyrene	BRL	10		ug/L	219117	1	01/29/2016 20:22	YH
Surr: 2,4,6-Tribromophenol	94.5	51.5-141		%REC	219117	1	01/29/2016 20:22	YH
Surr: 2-Fluorobiphenyl	86.1	50.8-122		%REC	219117	1	01/29/2016 20:22	YH
Surr: 2-Fluorophenol	55	28.1-120		%REC	219117	1	01/29/2016 20:22	YH
Surr: 4-Terphenyl-d14	82.3	47.2-131		%REC	219117	1	01/29/2016 20:22	YH
Surr: Nitrobenzene-d5	75.1	42.1-124		%REC	219117	1	01/29/2016 20:22	YH
Surr: Phenol-d5	43.2	16-120		%REC	219117	1	01/29/2016 20:22	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Feb-16

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	WC Meredith	**Collection Date:**	1/27/2016
Lab ID:	1601J20-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Acetone	BRL	50		ug/L	219059	1	01/28/2016 10:37	NP
2-Butanone	BRL	50		ug/L	219059	1	01/28/2016 10:37	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Benzene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
1,2-Dichloroethane	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Trichloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Toluene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Tetrachloroethene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Ethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
m,p-Xylene	BRL	2.0		ug/L	219059	1	01/28/2016 10:37	NP
o-Xylene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Styrene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	219059	1	01/28/2016 10:37	NP
Surr: 4-Bromofluorobenzene	93	70.7-125		%REC	219059	1	01/28/2016 10:37	NP
Surr: Dibromofluoromethane	113	82.2-120		%REC	219059	1	01/28/2016 10:37	NP
Surr: Toluene-d8	103	81.8-120		%REC	219059	1	01/28/2016 10:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Enviorisk Work Order Number 1601320

Checklist completed by _____ 1/20/16
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.9° Cooler #2 3.8 Cooler #3 3.7° Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes __ No ✓

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by AD

Sample Condition: Good __ Other(Explain) 1 cap broken

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 2-Feb-16

Client: Envirorisk Consultants
Project Name: WC Meredith
Lab Order: 1601J20

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1601J20-001A	TW-13	1/26/2016 11:20:00AM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-001B	TW-13	1/26/2016 11:20:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-001B	TW-13	1/26/2016 11:20:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-001B	TW-13	1/26/2016 11:20:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	02/01/2016
1601J20-002A	TW-14	1/26/2016 11:45:00AM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-002B	TW-14	1/26/2016 11:45:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-003A	TW-15	1/26/2016 12:05:00PM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-003B	TW-15	1/26/2016 12:05:00PM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-004A	TW-17	1/26/2016 10:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-004B	TW-17	1/26/2016 10:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-005A	TW-18	1/26/2016 10:00:00AM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-005B	TW-18	1/26/2016 10:00:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-006A	TW-19	1/26/2016 10:45:00AM	Groundwater	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016
1601J20-006B	TW-19	1/26/2016 10:45:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		1/29/2016 12:00:00 PM	01/29/2016
1601J20-007A	TRIP BLANK	1/27/2016 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		1/27/2016 5:38:00 PM	01/28/2016

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219059

Sample ID: **MB-219059** Client ID: Units: **ug/L** Prep Date: **01/27/2016** Run No: **309123**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **219059** Analysis Date: **01/27/2016** Seq No: **6637822**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	47.30	0	50.00		94.6	70.7	125				
Surr: Dibromofluoromethane	57.87	0	50.00		116	82.2	120				
Surr: Toluene-d8	50.38	0	50.00		101	81.8	120				

Sample ID: **LCS-219059** Client ID: Units: **ug/L** Prep Date: **01/27/2016** Run No: **309123**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **219059** Analysis Date: **01/27/2016** Seq No: **6637821**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.11	5.0	50.00		120	65.3	137				
Benzene	48.54	5.0	50.00		97.1	74.9	123				
Toluene	52.07	5.0	50.00		104	75	124				
Trichloroethene	51.93	5.0	50.00		104	73.1	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219059

Sample ID: **LCS-219059** Client ID: Units: **ug/L** Prep Date: **01/27/2016** Run No: **309123**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **219059** Analysis Date: **01/27/2016** Seq No: **6637821**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	47.96	0	50.00		95.9	70.7	125				
Surr: Dibromofluoromethane	55.28	0	50.00		111	82.2	120				
Surr: Toluene-d8	48.42	0	50.00		96.8	81.8	120				

Sample ID: **1601J21-001AMS** Client ID: Units: **ug/L** Prep Date: **01/27/2016** Run No: **309123**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **219059** Analysis Date: **01/27/2016** Seq No: **6637826**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	63.94	5.0	50.00		128	60	150				
Benzene	50.56	5.0	50.00		101	70.1	132				
Toluene	53.28	5.0	50.00		107	70.1	133				
Trichloroethene	55.38	5.0	50.00		111	70	136				
Surr: 4-Bromofluorobenzene	47.15	0	50.00		94.3	70.7	125				
Surr: Dibromofluoromethane	55.17	0	50.00		110	82.2	120				
Surr: Toluene-d8	47.12	0	50.00		94.2	81.8	120				

Sample ID: **1601J21-001AMSD** Client ID: Units: **ug/L** Prep Date: **01/27/2016** Run No: **309123**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **219059** Analysis Date: **01/27/2016** Seq No: **6637827**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	61.17	5.0	50.00		122	60	150	63.94	4.43	17.7	
Benzene	50.11	5.0	50.00		100	70.1	132	50.56	0.894	20	
Toluene	55.35	5.0	50.00		111	70.1	133	53.28	3.81	20	
Trichloroethene	56.52	5.0	50.00		113	70	136	55.38	2.04	20	
Surr: 4-Bromofluorobenzene	47.08	0	50.00		94.2	70.7	125	47.15	0	0	
Surr: Dibromofluoromethane	55.10	0	50.00		110	82.2	120	55.17	0	0	
Surr: Toluene-d8	47.75	0	50.00		95.5	81.8	120	47.12	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219117

Sample ID: **MB-219117** Client ID: Units: **ug/L** Prep Date: **01/29/2016** Run No: **309411**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **219117** Analysis Date: **01/29/2016** Seq No: **6642848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219117

Sample ID: **MB-219117**	Client ID:		Units: **ug/L**	Prep Date: **01/29/2016**	Run No: **309411**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **219117**	Analysis Date: **01/29/2016**	Seq No: **6642848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	92.69	0	100.0		92.7	51.5	141				
Surr: 2-Fluorobiphenyl	45.92	0	50.00		91.8	50.8	122				
Surr: 2-Fluorophenol	48.19	0	100.0		48.2	28.1	120				
Surr: 4-Terphenyl-d14	43.21	0	50.00		86.4	47.2	131				
Surr: Nitrobenzene-d5	39.13	0	50.00		78.3	42.1	124				
Surr: Phenol-d5	31.28	0	100.0		31.3	16	120				

Sample ID: **LCS-219117**	Client ID:		Units: **ug/L**	Prep Date: **01/29/2016**	Run No: **309411**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **219117**	Analysis Date: **01/29/2016**	Seq No: **6642855**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	84.17	10	100.0		84.2	58.1	120				
4-Chloro-3-methylphenol	89.07	10	100.0		89.1	69.2	123				
Acenaphthene	97.62	10	100.0		97.6	71.5	120				
Pentachlorophenol	58.02	25	100.0		58.0	50.5	130				
Phenol	33.00	10	100.0		33.0	27	120				
Pyrene	98.67	10	100.0		98.7	71.1	133				
Surr: 2,4,6-Tribromophenol	111.8	0	100.0		112	51.5	141				
Surr: 2-Fluorobiphenyl	53.38	0	50.00		107	50.8	122				
Surr: 2-Fluorophenol	58.18	0	100.0		58.2	28.1	120				
Surr: 4-Terphenyl-d14	51.41	0	50.00		103	47.2	131				
Surr: Nitrobenzene-d5	46.62	0	50.00		93.2	42.1	124				
Surr: Phenol-d5	33.51	0	100.0		33.5	16	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219117

Sample ID: **1601J20-001BMS** Client ID: **TW-13** Units: **ug/L** Prep Date: **01/29/2016** Run No: **309411**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **219117** Analysis Date: **01/29/2016** Seq No: **6642862**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	71.45	10	100.0		71.4	49.6	120				
4-Chloro-3-methylphenol	80.32	10	100.0		80.3	50.7	130				
Acenaphthene	85.22	10	100.0		85.2	49.2	123				
Pentachlorophenol	BRL	25	100.0	13.33	5.19	41.5	131				S
Phenol	40.12	10	100.0		40.1	30.6	120				
Pyrene	79.96	10	100.0		80.0	50.5	130				
Surr: 2,4,6-Tribromophenol	92.64	0	100.0		92.6	51.5	141				
Surr: 2-Fluorobiphenyl	44.56	0	50.00		89.1	50.8	122				
Surr: 2-Fluorophenol	56.50	0	100.0		56.5	28.1	120				
Surr: 4-Terphenyl-d14	32.67	0	50.00		65.3	47.2	131				
Surr: Nitrobenzene-d5	38.55	0	50.00		77.1	42.1	124				
Surr: Phenol-d5	49.25	0	100.0		49.2	16	120				

Sample ID: **1601J20-001BMSD** Client ID: **TW-13** Units: **ug/L** Prep Date: **01/29/2016** Run No: **309411**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **219117** Analysis Date: **01/30/2016** Seq No: **6642863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	73.23	10	100.0		73.2	49.6	120	71.45	2.46	28.2	
4-Chloro-3-methylphenol	81.93	10	100.0		81.9	50.7	130	80.32	1.98	29.7	
Acenaphthene	89.44	10	100.0		89.4	49.2	123	85.22	4.83	29.3	
Pentachlorophenol	BRL	25	100.0	13.33	9.05	41.5	131	18.52	0	33.5	S
Phenol	41.19	10	100.0		41.2	30.6	120	40.12	2.63	36.3	
Pyrene	82.82	10	100.0		82.8	50.5	130	79.96	3.51	27.3	
Surr: 2,4,6-Tribromophenol	98.18	0	100.0		98.2	51.5	141	92.64	0	0	
Surr: 2-Fluorobiphenyl	47.83	0	50.00		95.7	50.8	122	44.56	0	0	
Surr: 2-Fluorophenol	58.71	0	100.0		58.7	28.1	120	56.50	0	0	
Surr: 4-Terphenyl-d14	33.65	0	50.00		67.3	47.2	131	32.67	0	0	
Surr: Nitrobenzene-d5	39.52	0	50.00		79.0	42.1	124	38.55	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith
Workorder: 1601J20

ANALYTICAL QC SUMMARY REPORT

BatchID: 219117

Sample ID: **1601J20-001BMSD** Client ID: **TW-13** Units: **ug/L** Prep Date: **01/29/2016** Run No: **309411**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **219117** Analysis Date: **01/30/2016** Seq No: **6642863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	49.65	0	100.0		49.6	16	120	49.25	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 05, 2015

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: ER-437 WCM

Dear Kenneth C. Summerour: Order No: 1509Q62

Analytical Environmental Services, Inc. received 6 samples on 9/30/2015 7:35:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1509052

Date: 9/29/2015 Page 1 of 1

COMPANY: Environ sk Consultants

ADDRESS: P.O. Box 945, Grayson, GA 30017

PHONE: 678-535-7360

FAX:

SAMPLED BY: Matthew Wolf

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs															No # of Containers
							PRESERVATION (See codes)																
							#I	I															
1	TW-13	9/29	1255	X		GW	X	X															4
2	TW-14	"	1340	"		"	"	"															4
3	TW-15	"	1435	"		"	"	"															4
4	TW-17	"	1530	"		"	"	"															4
5	TW-18	"	1700	"		"	"	"															4
6	TW-19	"	1800	"		"	"	"															4
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

*Analyze according to W.C. Meredith list, please.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	9/29/15 1915	1:	9/30/15 7:35
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: ER-437 WCM

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: Ken Simmons; Matt Wolf

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 24

Turnaround Time Request

- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ◉ Other By 10/5

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 12:55:00 PM
Lab ID:	1509Q62-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 17:06	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 17:06	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Benzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
1,2-Dichloroethane	9.9	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Tetrachloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 17:06	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:06	NP
Surr: 4-Bromofluorobenzene	93	70.6-123		%REC	213879	1	10/03/2015 17:06	NP
Surr: Dibromofluoromethane	112	78.7-124		%REC	213879	1	10/03/2015 17:06	NP
Surr: Toluene-d8	98.2	81.3-120		%REC	213879	1	10/03/2015 17:06	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 12:15	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
2-Methylnaphthalene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Acenaphthene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Benz(a)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Dibenzofuran	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 12:55:00 PM
Lab ID:	1509Q62-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Naphthalene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Pentachlorophenol	40	25		ug/L	213746	1	10/05/2015 12:15	YH
Phenanthrene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:15	YH
Surr: 2,4,6-Tribromophenol	65.8	52-133		%REC	213746	1	10/05/2015 12:15	YH
Surr: 2-Fluorobiphenyl	65.2	50-121		%REC	213746	1	10/05/2015 12:15	YH
Surr: 2-Fluorophenol	47.9	27.5-120		%REC	213746	1	10/05/2015 12:15	YH
Surr: 4-Terphenyl-d14	59.4	46.3-137		%REC	213746	1	10/05/2015 12:15	YH
Surr: Nitrobenzene-d5	64.3	41.2-121		%REC	213746	1	10/05/2015 12:15	YH
Surr: Phenol-d5	44.1	14.3-120		%REC	213746	1	10/05/2015 12:15	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 1:40:00 PM
Lab ID:	1509Q62-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 17:30	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 17:30	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Benzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
1,2-Dichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Tetrachloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 17:30	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 17:30	NP
Surr: 4-Bromofluorobenzene	92.8	70.6-123		%REC	213879	1	10/03/2015 17:30	NP
Surr: Dibromofluoromethane	109	78.7-124		%REC	213879	1	10/03/2015 17:30	NP
Surr: Toluene-d8	96.9	81.3-120		%REC	213879	1	10/03/2015 17:30	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 12:41	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
2-Methylnaphthalene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Acenaphthene	38	10		ug/L	213746	1	10/05/2015 12:41	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Benz(a)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Dibenzofuran	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 1:40:00 PM
Lab ID:	1509Q62-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	26	10		ug/L	213746	1	10/05/2015 12:41	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Naphthalene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Pentachlorophenol	BRL	25		ug/L	213746	1	10/05/2015 12:41	YH
Phenanthrene	12	10		ug/L	213746	1	10/05/2015 12:41	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:41	YH
Surr: 2,4,6-Tribromophenol	101	52-133		%REC	213746	1	10/05/2015 12:41	YH
Surr: 2-Fluorobiphenyl	88.6	50-121		%REC	213746	1	10/05/2015 12:41	YH
Surr: 2-Fluorophenol	53.1	27.5-120		%REC	213746	1	10/05/2015 12:41	YH
Surr: 4-Terphenyl-d14	82.6	46.3-137		%REC	213746	1	10/05/2015 12:41	YH
Surr: Nitrobenzene-d5	83.9	41.2-121		%REC	213746	1	10/05/2015 12:41	YH
Surr: Phenol-d5	38.4	14.3-120		%REC	213746	1	10/05/2015 12:41	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 2:35:00 PM
Lab ID:	1509Q62-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 18:42	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 18:42	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Benzene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
1,2-Dichloroethane	1.3	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Tetrachloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 18:42	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 18:42	NP
Surr: 4-Bromofluorobenzene	88.9	70.6-123		%REC	213879	1	10/03/2015 18:42	NP
Surr: Dibromofluoromethane	114	78.7-124		%REC	213879	1	10/03/2015 18:42	NP
Surr: Toluene-d8	99.9	81.3-120		%REC	213879	1	10/03/2015 18:42	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 12:32	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
2-Methylnaphthalene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Acenaphthene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Benz(a)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Dibenzofuran	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 2:35:00 PM
Lab ID:	1509Q62-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Naphthalene	43	10		ug/L	213746	1	10/05/2015 12:32	YH
Pentachlorophenol	BRL	25		ug/L	213746	1	10/05/2015 12:32	YH
Phenanthrene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Pyrene	BRL	10		ug/L	213746	1	10/05/2015 12:32	YH
Surr: 2,4,6-Tribromophenol	84.1	52-133		%REC	213746	1	10/05/2015 12:32	YH
Surr: 2-Fluorobiphenyl	80.2	50-121		%REC	213746	1	10/05/2015 12:32	YH
Surr: 2-Fluorophenol	67.8	27.5-120		%REC	213746	1	10/05/2015 12:32	YH
Surr: 4-Terphenyl-d14	78.6	46.3-137		%REC	213746	1	10/05/2015 12:32	YH
Surr: Nitrobenzene-d5	78.7	41.2-121		%REC	213746	1	10/05/2015 12:32	YH
Surr: Phenol-d5	57.8	14.3-120		%REC	213746	1	10/05/2015 12:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 3:30:00 PM
Lab ID:	1509Q62-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 19:06	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 19:06	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Benzene	1.0	1.0		ug/L	213879	1	10/03/2015 19:06	NP
1,2-Dichloroethane	14	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Tetrachloroethene	3.3	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 19:06	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:06	NP
Surr: 4-Bromofluorobenzene	92.3	70.6-123		%REC	213879	1	10/03/2015 19:06	NP
Surr: Dibromofluoromethane	109	78.7-124		%REC	213879	1	10/03/2015 19:06	NP
Surr: Toluene-d8	96.9	81.3-120		%REC	213879	1	10/03/2015 19:06	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 13:07	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
2-Methylnaphthalene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Acenaphthene	29	10		ug/L	213746	1	10/05/2015 13:07	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Anthracene	15	10		ug/L	213746	1	10/05/2015 13:07	YH
Benz(a)anthracene	12	10		ug/L	213746	1	10/05/2015 13:07	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Benzo(b)fluoranthene	12	10		ug/L	213746	1	10/05/2015 13:07	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Dibenzofuran	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Fluoranthene	78	10		ug/L	213746	1	10/05/2015 13:07	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 3:30:00 PM
Lab ID:	1509Q62-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	28	10		ug/L	213746	1	10/05/2015 13:07	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Naphthalene	70	10		ug/L	213746	1	10/05/2015 13:07	YH
Pentachlorophenol	BRL	25		ug/L	213746	1	10/05/2015 13:07	YH
Phenanthrene	52	10		ug/L	213746	1	10/05/2015 13:07	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 13:07	YH
Pyrene	46	10		ug/L	213746	1	10/05/2015 13:07	YH
Surr: 2,4,6-Tribromophenol	25.3	52-133	S	%REC	213746	1	10/05/2015 13:07	YH
Surr: 2-Fluorobiphenyl	19.4	50-121	S	%REC	213746	1	10/05/2015 13:07	YH
Surr: 2-Fluorophenol	30.8	27.5-120		%REC	213746	1	10/05/2015 13:07	YH
Surr: 4-Terphenyl-d14	18.5	46.3-137	S	%REC	213746	1	10/05/2015 13:07	YH
Surr: Nitrobenzene-d5	26.3	41.2-121	S	%REC	213746	1	10/05/2015 13:07	YH
Surr: Phenol-d5	27.4	14.3-120		%REC	213746	1	10/05/2015 13:07	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 5:00:00 PM
Lab ID:	1509Q62-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 19:29	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 19:29	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Benzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
1,2-Dichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Tetrachloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 19:29	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:29	NP
Surr: 4-Bromofluorobenzene	91.6	70.6-123		%REC	213879	1	10/03/2015 19:29	NP
Surr: Dibromofluoromethane	109	78.7-124		%REC	213879	1	10/03/2015 19:29	NP
Surr: Toluene-d8	96.1	81.3-120		%REC	213879	1	10/03/2015 19:29	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 13:32	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
2-Methylnaphthalene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Acenaphthene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Benz(a)anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Dibenzofuran	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 5:00:00 PM
Lab ID:	1509Q62-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Naphthalene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Pentachlorophenol	BRL	25		ug/L	213746	1	10/05/2015 13:32	YH
Phenanthrene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:32	YH
Surr: 2,4,6-Tribromophenol	102	52-133		%REC	213746	1	10/05/2015 13:32	YH
Surr: 2-Fluorobiphenyl	86.5	50-121		%REC	213746	1	10/05/2015 13:32	YH
Surr: 2-Fluorophenol	57.9	27.5-120		%REC	213746	1	10/05/2015 13:32	YH
Surr: 4-Terphenyl-d14	86.4	46.3-137		%REC	213746	1	10/05/2015 13:32	YH
Surr: Nitrobenzene-d5	86	41.2-121		%REC	213746	1	10/05/2015 13:32	YH
Surr: Phenol-d5	41.9	14.3-120		%REC	213746	1	10/05/2015 13:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 6:00:00 PM
Lab ID:	1509Q62-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Acetone	BRL	50		ug/L	213879	1	10/03/2015 19:53	NP
2-Butanone	BRL	50		ug/L	213879	1	10/03/2015 19:53	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Benzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
1,2-Dichloroethane	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Trichloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Toluene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Tetrachloroethene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Ethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
m,p-Xylene	BRL	2.0		ug/L	213879	1	10/03/2015 19:53	NP
o-Xylene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Styrene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213879	1	10/03/2015 19:53	NP
Surr: 4-Bromofluorobenzene	90.6	70.6-123		%REC	213879	1	10/03/2015 19:53	NP
Surr: Dibromofluoromethane	106	78.7-124		%REC	213879	1	10/03/2015 19:53	NP
Surr: Toluene-d8	99.3	81.3-120		%REC	213879	1	10/03/2015 19:53	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
2,4-Dimethylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
2,4-Dinitrophenol	BRL	25		ug/L	213746	1	10/05/2015 13:58	YH
2-Chlorophenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
2-Methylnaphthalene	17	10		ug/L	213746	1	10/05/2015 13:58	YH
2-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
3,4-Methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Acenaphthene	44	10		ug/L	213746	1	10/05/2015 13:58	YH
Acenaphthylene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Anthracene	16	10		ug/L	213746	1	10/05/2015 13:58	YH
Benz(a)anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Benzo(a)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Carbazole	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Chrysene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Dibenzofuran	23	10		ug/L	213746	1	10/05/2015 13:58	YH
Fluoranthene	39	10		ug/L	213746	1	10/05/2015 13:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19
Project Name:	ER-437 WCM	**Collection Date:**	9/29/2015 6:00:00 PM
Lab ID:	1509Q62-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	57	10		ug/L	213746	1	10/05/2015 13:58	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Naphthalene	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Pentachlorophenol	BRL	25		ug/L	213746	1	10/05/2015 13:58	YH
Phenanthrene	100	10		ug/L	213746	1	10/05/2015 13:58	YH
Phenol	BRL	10		ug/L	213746	1	10/05/2015 13:58	YH
Pyrene	21	10		ug/L	213746	1	10/05/2015 13:58	YH
Surr: 2,4,6-Tribromophenol	99.1	52-133		%REC	213746	1	10/05/2015 13:58	YH
Surr: 2-Fluorobiphenyl	86.2	50-121		%REC	213746	1	10/05/2015 13:58	YH
Surr: 2-Fluorophenol	66.8	27.5-120		%REC	213746	1	10/05/2015 13:58	YH
Surr: 4-Terphenyl-d14	92.4	46.3-137		%REC	213746	1	10/05/2015 13:58	YH
Surr: Nitrobenzene-d5	86.3	41.2-121		%REC	213746	1	10/05/2015 13:58	YH
Surr: Phenol-d5	29.2	14.3-120		%REC	213746	1	10/05/2015 13:58	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Enviorisk Work Order Number 1509052

Checklist completed by [signature] 9/30/15
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (0°≤6°C)*	Yes ✓	No __	

Cooler #1 3.3 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓
Water - VOA vials have zero headspace?	No VOA vials submitted __	Yes ✓ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by AD

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746** Client ID: Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10									
1,2,4,5-Tetrachlorobenzene	BRL	10									
1,2,4-Trichlorobenzene	BRL	10									
1,2-Dichlorobenzene	BRL	10									
1,2-Diphenylhydrazine	BRL	10									
1,3,5-Trinitrobenzene	BRL	10									
1,3-Dichlorobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Dichlorobenzene	BRL	10									
1,4-Napthoquinone	BRL	10									
1-Chloronaphthalene	BRL	10									
1-Methylnaphthalene	BRL	10									
1-Naphthylamine	BRL	10									
2,2´-oxybis(1-Chloropropane)	BRL	10									
2,3,4,6-Tetrachlorophenol	BRL	10									
2,3-Dichloroaniline	BRL	10									N
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dichlorophenol	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Acetylaminofluorene	BRL	20									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746**	Client ID:		Units: **ug/L**	Prep Date: **10/02/2015**	Run No: **301324**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213746**	Analysis Date: **10/05/2015**	Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Naphthylamine	BRL	10									
2-Nitroaniline	BRL	50									
2-Nitrophenol	BRL	10									
2-Picoline	BRL	10									
3,3´-Dichlorobenzidine	BRL	20									
3,3´-Dimethoxybenzidine	BRL	10									N
3,3´-Dimethylbenzidine	BRL	20									
3,4-Methylphenol	BRL	10									
3-Chloroaniline	BRL	10									
3-Methylcholanthrene	BRL	10									
3-Methylphenol	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Aminobiphenyl	BRL	10									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
4-Nitroquinoline,1-oxide	BRL	50									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
a,a-Dimethylphenethylamine	BRL	50									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746** Client ID: Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Allethrin	BRL	10									N
alpha-Terpineol	BRL	10									N
Aniline	BRL	10									
Anthracene	BRL	10									
Aramite	BRL	10									
Atrazine	BRL	10									
Baygon	BRL	10									N
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzidine	BRL	80									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzoic acid	BRL	100									
Benzyl alcohol	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Bis(chloromethyl) ether	BRL	100									N
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746** Client ID: Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzilate	BRL	10									
Chloropyrifos	BRL	10									N
Chrysene	BRL	10									
Decane	BRL	10									N
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Diallate	BRL	10									
Diazinon	BRL	10									N
Dibenz(a,h)anthracene	BRL	10									
Dibenz(a,j)acridine	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Dimethylaminoazobenzene	BRL	10									N
Diphenylamine	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	10									
Famphur	BRL	20									
Fenvalerate	BRL	10									N
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachlorophene	BRL	80									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746** Client ID: Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	10									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									
Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
MGK-264	BRL	10									N
N-Nitrosodi-n-butylamine	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	10									
N-Nitrosodimethylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosomorpholine	BRL	10									
N-Nitrosopiperidine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
N-Octadecane	BRL	10									N
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
O,O,O-Triethyl phosphorothioate	BRL	10									
o-Toluidine	BRL	10									
p-Dimethylaminoazobenzene	BRL	10									
p-Phenylenediamine	BRL	500									
Parathion	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **MB-213746** Client ID: Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorobenzene	BRL	10									
Pentachloronitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Perylene	BRL	10									N
Phenacetin	BRL	10									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Phenothrin	BRL	10									N
Phorate	BRL	10									
Piperonyl Butoxide	BRL	10									N
Pronamide	BRL	10									
Pyrene	BRL	10									
Pyrethrin	BRL	50									N
Pyridine	BRL	10									
Resmethrin	BRL	10									N
Safrole	BRL	50									
Sym-Trinitrobenzene	BRL	10									
Tetraethyl dithiopyrophosphate	BRL	10									
Tetramethrin	BRL	10									N
Thionazin	BRL	10									
Surr: 2,4,6-Tribromophenol	88.70	0	100.0		88.7	52	133				
Surr: 2-Fluorobiphenyl	44.17	0	50.00		88.3	50	121				
Surr: 2-Fluorophenol	57.75	0	100.0		57.8	27.5	120				
Surr: 4-Terphenyl-d14	46.14	0	50.00		92.3	46.3	137				
Surr: Nitrobenzene-d5	43.26	0	50.00		86.5	41.2	121				
Surr: Phenol-d5	42.50	0	100.0		42.5	14.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213746

Sample ID: **LCS-213746** Client ID:
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **10/02/2015** Run No: **301324**
BatchID: **213746** Analysis Date: **10/05/2015** Seq No: **6442578**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	92.00	10	100.0		92.0	59.4	120				
1,4-Dichlorobenzene	85.68	10	100.0		85.7	52.6	120				
2,4-Dinitrotoluene	98.59	10	100.0		98.6	69.9	127				
2-Chlorophenol	89.85	10	100.0		89.8	59.8	120				
4-Chloro-3-methylphenol	97.25	10	100.0		97.2	65.7	126				
4-Nitrophenol	42.73	25	100.0		42.7	21	120				
Acenaphthene	95.74	10	100.0		95.7	68.2	124				
N-Nitrosodi-n-propylamine	101.5	10	100.0		102	60.3	138				
Pentachlorophenol	94.62	25	100.0		94.6	50.2	136				
Phenol	42.83	10	100.0		42.8	25.6	120				
Pyrene	105.2	10	100.0		105	70.1	124				
Surr: 2,4,6-Tribromophenol	107.4	0	100.0		107	52	133				
Surr: 2-Fluorobiphenyl	51.16	0	50.00		102	50	121				
Surr: 2-Fluorophenol	65.39	0	100.0		65.4	27.5	120				
Surr: 4-Terphenyl-d14	53.55	0	50.00		107	46.3	137				
Surr: Nitrobenzene-d5	47.93	0	50.00		95.9	41.2	121				
Surr: Phenol-d5	45.86	0	100.0		45.9	14.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213879

Sample ID: **MB-213879** Client ID: Units: **ug/L** Prep Date: **10/03/2015** Run No: **301300**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **213879** Analysis Date: **10/03/2015** Seq No: **6441800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,1-Dichloropropene	BRL	5.0									
1,2,3-Trichlorobenzene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,3-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	50									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	BRL	10									
4-Chlorotoluene	BRL	5.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213879

Sample ID: **MB-213879**	Client ID:		Units: **ug/L**	Prep Date: **10/03/2015**	Run No: **301300**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213879**	Analysis Date: **10/03/2015**	Seq No: **6441800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromobenzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Iodomethane	BRL	10									

Qualifiers:

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BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213879

Sample ID: **MB-213879** Client ID: Units: **ug/L** Prep Date: **10/03/2015** Run No: **301300**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **213879** Analysis Date: **10/03/2015** Seq No: **6441800**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	5.0									
n-Propylbenzene	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
sec-Butylbenzene	BRL	5.0									
Styrene	BRL	5.0									
tert-Butylbenzene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	46.81	0	50.00		93.6	70.6	123				
Surr: Dibromofluoromethane	54.26	0	50.00		109	78.7	124				
Surr: Toluene-d8	47.98	0	50.00		96.0	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213879

Sample ID: **MB-213879** Client ID: Units: **ug/L** Prep Date: **10/03/2015** Run No: **301319**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **213879** Analysis Date: **10/05/2015** Seq No: **6442864**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethanol	BRL	100									
Ethyl acetate	BRL	50									
iso-Butyraldehyde	BRL	10									
Isobutyl Alcohol	BRL	200									
Isopropyl acetate	BRL	10									
Isopropyl alcohol	BRL	100									
Isopropyl ether	BRL	10									
Methyl formate	BRL	100									
n-Amyl acetate	BRL	10									
n-Butyl acetate	BRL	10									
n-Heptane	BRL	10									N
n-Hexane	BRL	10									
Tetrahydrofuran	BRL	10									
Surr: 4-Bromofluorobenzene	53.69	0	50.00		107	70.6	123				
Surr: Dibromofluoromethane	58.62	0	50.00		117	78.7	124				
Surr: Toluene-d8	48.70	0	50.00		97.4	81.3	120				

Sample ID: **LCS-213879** Client ID: Units: **ug/L** Prep Date: **10/03/2015** Run No: **301300**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **213879** Analysis Date: **10/03/2015** Seq No: **6441795**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.81	5.0	50.00		93.6	64.2	137				
Benzene	46.15	5.0	50.00		92.3	72.8	128				
Chlorobenzene	51.54	5.0	50.00		103	72.3	126				
Toluene	46.23	5.0	50.00		92.5	74.9	127				
Trichloroethene	48.52	5.0	50.00		97.0	70.5	134				
Surr: 4-Bromofluorobenzene	46.46	0	50.00		92.9	70.6	123				
Surr: Dibromofluoromethane	52.88	0	50.00		106	78.7	124				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509Q62

ANALYTICAL QC SUMMARY REPORT

BatchID: 213879

Sample ID: **LCS-213879**	Client ID:		Units: **ug/L**	Prep Date: **10/03/2015**	Run No: **301300**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213879**	Analysis Date: **10/03/2015**	Seq No: **6441795**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Toluene-d8	47.06	0	50.00		94.1	81.3	120				

Sample ID: **1509Q62-002AMS**	Client ID: **TW-14**		Units: **ug/L**	Prep Date: **10/03/2015**	Run No: **301300**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213879**	Analysis Date: **10/03/2015**	Seq No: **6441824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.09	5.0	50.00		84.2	60.5	156				
Benzene	44.10	5.0	50.00		88.2	70	135				
Chlorobenzene	48.89	5.0	50.00		97.8	70.5	132				
Toluene	43.99	5.0	50.00		88.0	70.5	137				
Trichloroethene	47.05	5.0	50.00		94.1	71.8	139				
Surr: 4-Bromofluorobenzene	47.30	0	50.00		94.6	70.6	123				
Surr: Dibromofluoromethane	54.57	0	50.00		109	78.7	124				
Surr: Toluene-d8	48.55	0	50.00		97.1	81.3	120				

Sample ID: **1509Q62-002AMSD**	Client ID: **TW-14**		Units: **ug/L**	Prep Date: **10/03/2015**	Run No: **301300**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213879**	Analysis Date: **10/03/2015**	Seq No: **6441825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	41.79	5.0	50.00		83.6	60.5	156	42.09	0.715	20	
Benzene	46.14	5.0	50.00		92.3	70	135	44.10	4.52	20	
Chlorobenzene	47.83	5.0	50.00		95.7	70.5	132	48.89	2.19	20	
Toluene	46.58	5.0	50.00		93.2	70.5	137	43.99	5.72	20	
Trichloroethene	49.47	5.0	50.00		98.9	71.8	139	47.05	5.01	20	
Surr: 4-Bromofluorobenzene	46.00	0	50.00		92.0	70.6	123	47.30	0	0	
Surr: Dibromofluoromethane	55.69	0	50.00		111	78.7	124	54.57	0	0	
Surr: Toluene-d8	48.78	0	50.00		97.6	81.3	120	48.55	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 05, 2015

Kenneth C. Summerour
Envirorisk Consultants
601 S. Madison Ave
Monroe GA 30655

TEL: (678) 635-7360
FAX: (678) 635-7380

RE: ER-437 WCM

Dear Kenneth C. Summerour: Order No: 1509P88

Analytical Environmental Services, Inc. received 10 samples on 9/30/2015 7:35:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1509P88

Date: 9/24/2015 Page 1 of 1

COMPANY:	ADDRESS:
Envirosist Consultants	P.O. Box 945 Grayson, GA 30017
PHONE: 678-635-7360	FAX:
SAMPLED BY: Matt McC	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	SVOCs	Metals														REMARKS	No # of Containers
							PRESERVATION (See codes)																	
							SHIP	I	I															
1	TW-12 (5')	9/24	1315	X		SO	X	X	X														Please analyze	5
2	TW-13 (5')	9/24	1455	|		|	|	|	|													for constituents	5
3	TW-14 (3')	9/23	1400	|		|	|	|	|													on W.C. Meredith	5
4	TW-15 (3')	9/23	1235	|		|	|	|	|													List only.	5
5	TW-16 (5')	9/24	1750	|		|	|	|	|														5
6	TW-17 (2')	9/23	1030	|		|	|	|	|														5
7	TW-18 (7')	9/23	1130	|		|	|	|	|														5
8	TW-19 (3')	9/22	1605	|		|	|	|	|														5
9	Equipment Blank	9/24	1800			W	|	|																4
10	Trip Blank					W	|	|																2
11																								
12																								
13																								
14																								

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Matt McC	9/29/2015 1915	1:	9/30/15 7:25
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: FR-437 WCM

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: Ken Summerour; Matt McA

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 46

Turnaround Time Request

- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ● Other By 10/5

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-12 (6')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 1:15:00 PM
Lab ID:	1509P88-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Acetone	BRL	200		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
2-Butanone	BRL	100		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
1,1,1-Trichloroethane	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Benzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
1,2-Dichloroethane	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Trichloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Toluene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Tetrachloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Ethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
m,p-Xylene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
o-Xylene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Styrene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
1,3,5-Trimethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
1,2,4-Trimethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 12:39	CG
Surr: 4-Bromofluorobenzene	78.1	70-128		%REC	213742	1	10/02/2015 12:39	CG
Surr: Dibromofluoromethane	96.2	78.2-128		%REC	213742	1	10/02/2015 12:39	CG
Surr: Toluene-d8	95.1	76.5-116		%REC	213742	1	10/02/2015 12:39	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
2-Methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Acenaphthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Acenaphthylene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Anthracene	480	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Benzo(b)fluoranthene	450	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Carbazole	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Chrysene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Dibenzofuran	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Fluoranthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-12 (6')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 1:15:00 PM
Lab ID:	1509P88-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Naphthalene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Pentachlorophenol	3000	2000		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Phenanthrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Phenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 22:12	YH
Surr: 2,4,6-Tribromophenol	103	41-128		%REC	213678	1	10/01/2015 22:12	YH
Surr: 2-Fluorobiphenyl	93.2	47-120		%REC	213678	1	10/01/2015 22:12	YH
Surr: 2-Fluorophenol	84.5	38.3-120		%REC	213678	1	10/01/2015 22:12	YH
Surr: 4-Terphenyl-d14	94.5	51.4-125		%REC	213678	1	10/01/2015 22:12	YH
Surr: Nitrobenzene-d5	91.8	40.1-120		%REC	213678	1	10/01/2015 22:12	YH
Surr: Phenol-d5	93.6	40.3-120		%REC	213678	1	10/01/2015 22:12	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Barium	110	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Cadmium	BRL	2.96		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Chromium	37.2	2.96		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Cobalt	10.9	2.96		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Copper	25.6	2.96		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Lead	63.2	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Nickel	17.1	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Selenium	BRL	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Vanadium	43.5	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
Zinc	91.1	5.92		mg/Kg-dry	213711	1	10/01/2015 15:12	IO
PERCENT MOISTURE D2216								
Percent Moisture	15.7	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13 (5')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 2:55:00 PM
Lab ID:	1509P88-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Acetone	BRL	190		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
2-Butanone	BRL	94		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
1,1,1-Trichloroethane	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Benzene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
1,2-Dichloroethane	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Trichloroethene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Toluene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Tetrachloroethene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Ethylbenzene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
m,p-Xylene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
o-Xylene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Styrene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
1,3,5-Trimethylbenzene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
1,2,4-Trimethylbenzene	BRL	9.4		ug/Kg-dry	213742	1	10/02/2015 13:03	CG
Surr: 4-Bromofluorobenzene	76.1	70-128		%REC	213742	1	10/02/2015 13:03	CG
Surr: Dibromofluoromethane	101	78.2-128		%REC	213742	1	10/02/2015 13:03	CG
Surr: Toluene-d8	98.7	76.5-116		%REC	213742	1	10/02/2015 13:03	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
2-Methylphenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
3,4-Methylphenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Acenaphthene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Acenaphthylene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Anthracene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Carbazole	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Chrysene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Dibenzofuran	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Fluoranthene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-13 (5')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 2:55:00 PM
Lab ID:	1509P88-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Naphthalene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Phenanthrene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Phenol	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Pyrene	BRL	420		ug/Kg-dry	213678	1	10/01/2015 22:39	YH
Surr: 2,4,6-Tribromophenol	105	41-128		%REC	213678	1	10/01/2015 22:39	YH
Surr: 2-Fluorobiphenyl	92.7	47-120		%REC	213678	1	10/01/2015 22:39	YH
Surr: 2-Fluorophenol	78.2	38.3-120		%REC	213678	1	10/01/2015 22:39	YH
Surr: 4-Terphenyl-d14	97.8	51.4-125		%REC	213678	1	10/01/2015 22:39	YH
Surr: Nitrobenzene-d5	90.2	40.1-120		%REC	213678	1	10/01/2015 22:39	YH
Surr: Phenol-d5	89.8	40.3-120		%REC	213678	1	10/01/2015 22:39	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Barium	95.1	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Cadmium	BRL	2.83		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Chromium	44.2	2.83		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Cobalt	9.97	2.83		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Copper	40.1	2.83		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Lead	70.6	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Nickel	15.5	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Selenium	BRL	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Vanadium	71.9	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
Zinc	82.1	5.66		mg/Kg-dry	213711	1	10/01/2015 16:01	IO
PERCENT MOISTURE D2216								
Percent Moisture	20.7	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 2:00:00 PM
Lab ID:	1509P88-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Acetone	BRL	160		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
2-Butanone	BRL	78		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
1,1,1-Trichloroethane	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Benzene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
1,2-Dichloroethane	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Trichloroethene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Toluene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Tetrachloroethene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Ethylbenzene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
m,p-Xylene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
o-Xylene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Styrene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
1,3,5-Trimethylbenzene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
1,2,4-Trimethylbenzene	BRL	7.8		ug/Kg-dry	213742	1	10/05/2015 13:16	CG
Surr: 4-Bromofluorobenzene	77.6	70-128		%REC	213742	1	10/05/2015 13:16	CG
Surr: Dibromofluoromethane	106	78.2-128		%REC	213742	1	10/05/2015 13:16	CG
Surr: Toluene-d8	97.9	76.5-116		%REC	213742	1	10/05/2015 13:16	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2,4,6-Trichlorophenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2,4-Dimethylphenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2,4-Dinitrophenol	BRL	2500		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2-Chlorophenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2-Methylnaphthalene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
2-Methylphenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
3,4-Methylphenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
4-Chloro-3-methylphenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Acenaphthene	960	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Acenaphthylene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Anthracene	510	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Benz(a)anthracene	970	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Benzo(a)pyrene	580	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Benzo(b)fluoranthene	1300	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Benzo(k)fluoranthene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Carbazole	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Chrysene	1100	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Dibenz(a,h)anthracene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Dibenzofuran	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Fluoranthene	4300	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-14 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 2:00:00 PM
Lab ID:	1509P88-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Indeno(1,2,3-cd)pyrene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Naphthalene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Pentachlorophenol	BRL	2500		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Phenanthrene	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Phenol	BRL	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Pyrene	2700	490		ug/Kg-dry	213678	1	10/01/2015 23:04	YH
Surr: 2,4,6-Tribromophenol	99.4	41-128		%REC	213678	1	10/01/2015 23:04	YH
Surr: 2-Fluorobiphenyl	86.7	47-120		%REC	213678	1	10/01/2015 23:04	YH
Surr: 2-Fluorophenol	77	38.3-120		%REC	213678	1	10/01/2015 23:04	YH
Surr: 4-Terphenyl-d14	93.4	51.4-125		%REC	213678	1	10/01/2015 23:04	YH
Surr: Nitrobenzene-d5	89.2	40.1-120		%REC	213678	1	10/01/2015 23:04	YH
Surr: Phenol-d5	87.1	40.3-120		%REC	213678	1	10/01/2015 23:04	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Barium	145	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Cadmium	BRL	3.34		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Chromium	53.0	3.34		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Cobalt	12.9	3.34		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Copper	35.0	3.34		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Lead	49.6	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Nickel	23.0	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Selenium	BRL	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Vanadium	70.6	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
Zinc	99.4	6.68		mg/Kg-dry	213711	1	10/01/2015 16:08	IO
PERCENT MOISTURE D2216								
Percent Moisture	32.6	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 12:35:00 PM
Lab ID:	1509P88-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Acetone	BRL	170		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
2-Butanone	BRL	83		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
1,1,1-Trichloroethane	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Benzene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
1,2-Dichloroethane	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Trichloroethene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Toluene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Tetrachloroethene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Ethylbenzene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
m,p-Xylene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
o-Xylene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Styrene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
1,3,5-Trimethylbenzene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
1,2,4-Trimethylbenzene	BRL	8.3		ug/Kg-dry	213742	1	10/02/2015 14:14	CG
Surr: 4-Bromofluorobenzene	85.6	70-128		%REC	213742	1	10/02/2015 14:14	CG
Surr: Dibromofluoromethane	101	78.2-128		%REC	213742	1	10/02/2015 14:14	CG
Surr: Toluene-d8	99	76.5-116		%REC	213742	1	10/02/2015 14:14	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
2-Methylphenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
3,4-Methylphenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Acenaphthene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Acenaphthylene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Anthracene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Carbazole	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Chrysene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Dibenzofuran	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Fluoranthene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-15 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 12:35:00 PM
Lab ID:	1509P88-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Naphthalene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Phenanthrene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Phenol	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Pyrene	BRL	450		ug/Kg-dry	213678	1	10/01/2015 23:30	YH
Surr: 2,4,6-Tribromophenol	93.8	41-128		%REC	213678	1	10/01/2015 23:30	YH
Surr: 2-Fluorobiphenyl	84.2	47-120		%REC	213678	1	10/01/2015 23:30	YH
Surr: 2-Fluorophenol	65.3	38.3-120		%REC	213678	1	10/01/2015 23:30	YH
Surr: 4-Terphenyl-d14	92	51.4-125		%REC	213678	1	10/01/2015 23:30	YH
Surr: Nitrobenzene-d5	86.2	40.1-120		%REC	213678	1	10/01/2015 23:30	YH
Surr: Phenol-d5	78.1	40.3-120		%REC	213678	1	10/01/2015 23:30	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Barium	147	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Cadmium	BRL	3.12		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Chromium	36.2	3.12		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Cobalt	18.1	3.12		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Copper	BRL	3.12		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Lead	10.9	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Nickel	22.6	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Selenium	BRL	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Vanadium	43.3	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
Zinc	83.4	6.25		mg/Kg-dry	213711	1	10/01/2015 16:12	IO
PERCENT MOISTURE D2216								
Percent Moisture	27.3	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-16 (6')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 5:50:00 PM
Lab ID:	1509P88-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Acetone	BRL	210		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
2-Butanone	BRL	100		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
1,1,1-Trichloroethane	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Benzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
1,2-Dichloroethane	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Trichloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Toluene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Tetrachloroethene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Ethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
m,p-Xylene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
o-Xylene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Styrene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
1,3,5-Trimethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
1,2,4-Trimethylbenzene	BRL	10		ug/Kg-dry	213742	1	10/02/2015 14:38	CG
Surr: 4-Bromofluorobenzene	78.5	70-128		%REC	213742	1	10/02/2015 14:38	CG
Surr: Dibromofluoromethane	107	78.2-128		%REC	213742	1	10/02/2015 14:38	CG
Surr: Toluene-d8	97.1	76.5-116		%REC	213742	1	10/02/2015 14:38	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
2-Methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
3,4-Methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Acenaphthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Acenaphthylene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Anthracene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Benzo(b)fluoranthene	580	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Carbazole	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Chrysene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Dibenzofuran	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Fluoranthene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-16 (6')
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 5:50:00 PM
Lab ID:	1509P88-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Naphthalene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Phenanthrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Phenol	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Pyrene	BRL	390		ug/Kg-dry	213678	1	10/01/2015 23:55	YH
Surr: 2,4,6-Tribromophenol	98.8	41-128		%REC	213678	1	10/01/2015 23:55	YH
Surr: 2-Fluorobiphenyl	88.3	47-120		%REC	213678	1	10/01/2015 23:55	YH
Surr: 2-Fluorophenol	80.4	38.3-120		%REC	213678	1	10/01/2015 23:55	YH
Surr: 4-Terphenyl-d14	95.3	51.4-125		%REC	213678	1	10/01/2015 23:55	YH
Surr: Nitrobenzene-d5	89.7	40.1-120		%REC	213678	1	10/01/2015 23:55	YH
Surr: Phenol-d5	88.5	40.3-120		%REC	213678	1	10/01/2015 23:55	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	5.03	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Barium	56.0	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Cadmium	BRL	2.40		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Chromium	37.9	2.40		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Cobalt	15.0	2.40		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Copper	37.9	2.40		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Lead	23.9	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Nickel	11.2	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Selenium	BRL	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Vanadium	113	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
Zinc	50.6	4.80		mg/Kg-dry	213711	1	10/01/2015 16:16	IO
PERCENT MOISTURE D2216								
Percent Moisture	15.5	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17 (2')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 10:30:00 AM
Lab ID:	1509P88-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Acetone	BRL	240		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
2-Butanone	BRL	120		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
1,1,1-Trichloroethane	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Benzene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
1,2-Dichloroethane	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Trichloroethene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Toluene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Tetrachloroethene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Ethylbenzene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
m,p-Xylene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
o-Xylene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Styrene	BRL	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
1,3,5-Trimethylbenzene	21	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
1,2,4-Trimethylbenzene	36	12		ug/Kg-dry	213742	1	10/05/2015 16:50	CG
Surr: 4-Bromofluorobenzene	69.5	70-128	S	%REC	213742	1	10/05/2015 16:50	CG
Surr: Dibromofluoromethane	106	78.2-128		%REC	213742	1	10/05/2015 16:50	CG
Surr: Toluene-d8	94.4	76.5-116		%REC	213742	1	10/05/2015 16:50	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
2,4,6-Trichlorophenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
2,4-Dimethylphenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
2-Chlorophenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
2-Methylnaphthalene	16000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
2-Methylphenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
3,4-Methylphenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
4-Chloro-3-methylphenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
Acenaphthene	70000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Acenaphthylene	3000	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
Anthracene	340000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Benz(a)anthracene	96000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Benzo(a)pyrene	42000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Benzo(b)fluoranthene	75000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Benzo(k)fluoranthene	22000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Carbazole	90000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Chrysene	130000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Dibenz(a,h)anthracene	3400	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
Dibenzofuran	32000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Fluoranthene	380000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-17 (2')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 10:30:00 AM
Lab ID:	1509P88-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	110000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Indeno(1,2,3-cd)pyrene	15000	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Naphthalene	8500	4400		ug/Kg-dry	213678	10	10/02/2015 15:14	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
Phenanthrene	230000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Phenol	BRL	440		ug/Kg-dry	213678	1	10/02/2015 00:21	YH
Pyrene	240000	44000		ug/Kg-dry	213678	100	10/02/2015 14:20	YH
Surr: 2,4,6-Tribromophenol	110	41-128		%REC	213678	1	10/02/2015 00:21	YH
Surr: 2-Fluorobiphenyl	82.4	47-120		%REC	213678	1	10/02/2015 00:21	YH
Surr: 2-Fluorophenol	71.5	38.3-120		%REC	213678	1	10/02/2015 00:21	YH
Surr: 4-Terphenyl-d14	119	51.4-125		%REC	213678	1	10/02/2015 00:21	YH
Surr: Nitrobenzene-d5	89.4	40.1-120		%REC	213678	1	10/02/2015 00:21	YH
Surr: Phenol-d5	82.1	40.3-120		%REC	213678	1	10/02/2015 00:21	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Barium	76.6	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Cadmium	BRL	2.93		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Chromium	431	2.93		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Cobalt	6.93	2.93		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Copper	37.1	2.93		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Lead	73.3	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Nickel	11.6	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Selenium	BRL	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Vanadium	58.1	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
Zinc	763	5.85		mg/Kg-dry	213711	1	10/01/2015 16:21	IO
PERCENT MOISTURE D2216								
Percent Moisture	24.5	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18 (7')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 11:30:00 AM
Lab ID:	1509P88-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Acetone	BRL	110		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
2-Butanone	BRL	53		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Benzene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Toluene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
m,p-Xylene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
o-Xylene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Styrene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
1,3,5-Trimethylbenzene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
1,2,4-Trimethylbenzene	BRL	5.3		ug/Kg-dry	213742	1	10/02/2015 15:02	CG
Surr: 4-Bromofluorobenzene	82.6	70-128		%REC	213742	1	10/02/2015 15:02	CG
Surr: Dibromofluoromethane	102	78.2-128		%REC	213742	1	10/02/2015 15:02	CG
Surr: Toluene-d8	101	76.5-116		%REC	213742	1	10/02/2015 15:02	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
2-Methylphenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
3,4-Methylphenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Acenaphthene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Acenaphthylene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Anthracene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Carbazole	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Chrysene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Dibenzofuran	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Fluoranthene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-18 (7')
Project Name:	ER-437 WCM	**Collection Date:**	9/23/2015 11:30:00 AM
Lab ID:	1509P88-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Naphthalene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Phenanthrene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Phenol	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Pyrene	BRL	400		ug/Kg-dry	213678	1	10/02/2015 00:46	YH
Surr: 2,4,6-Tribromophenol	101	41-128		%REC	213678	1	10/02/2015 00:46	YH
Surr: 2-Fluorobiphenyl	87	47-120		%REC	213678	1	10/02/2015 00:46	YH
Surr: 2-Fluorophenol	82.7	38.3-120		%REC	213678	1	10/02/2015 00:46	YH
Surr: 4-Terphenyl-d14	88.6	51.4-125		%REC	213678	1	10/02/2015 00:46	YH
Surr: Nitrobenzene-d5	90	40.1-120		%REC	213678	1	10/02/2015 00:46	YH
Surr: Phenol-d5	87.5	40.3-120		%REC	213678	1	10/02/2015 00:46	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Barium	42.7	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Cadmium	BRL	2.89		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Chromium	15.3	2.89		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Cobalt	3.69	2.89		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Copper	15.9	2.89		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Lead	11.0	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Nickel	6.90	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Selenium	BRL	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Vanadium	34.3	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
Zinc	24.4	5.77		mg/Kg-dry	213711	1	10/01/2015 16:25	IO
PERCENT MOISTURE D2216								
Percent Moisture	16.7	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/22/2015 4:05:00 PM
Lab ID:	1509P88-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,1-Dichloroethene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Acetone	BRL	160		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
2-Butanone	BRL	81		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
1,1,1-Trichloroethane	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Benzene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
1,2-Dichloroethane	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Trichloroethene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Toluene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Tetrachloroethene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Ethylbenzene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
m,p-Xylene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
o-Xylene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Styrene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
1,3,5-Trimethylbenzene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
1,2,4-Trimethylbenzene	BRL	8.1		ug/Kg-dry	213742	1	10/02/2015 15:26	CG
Surr: 4-Bromofluorobenzene	78.2	70-128		%REC	213742	1	10/02/2015 15:26	CG
Surr: Dibromofluoromethane	105	78.2-128		%REC	213742	1	10/02/2015 15:26	CG
Surr: Toluene-d8	97.3	76.5-116		%REC	213742	1	10/02/2015 15:26	CG
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2,4,6-Trichlorophenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2,4-Dimethylphenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2,4-Dinitrophenol	BRL	2600		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2-Chlorophenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2-Methylnaphthalene	1300	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
2-Methylphenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
3,4-Methylphenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
4-Chloro-3-methylphenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Acenaphthene	4300	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Acenaphthylene	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Anthracene	22000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Benz(a)anthracene	12000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Benzo(a)pyrene	4200	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Benzo(b)fluoranthene	7300	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Benzo(k)fluoranthene	2600	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Carbazole	1000	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Chrysene	13000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Dibenz(a,h)anthracene	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Dibenzofuran	3400	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Fluoranthene	50000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TW-19 (3')
Project Name:	ER-437 WCM	**Collection Date:**	9/22/2015 4:05:00 PM
Lab ID:	1509P88-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3550C)**				
Fluorene	13000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Indeno(1,2,3-cd)pyrene	950	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Naphthalene	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Pentachlorophenol	BRL	2600		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Phenanthrene	60000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Phenol	BRL	510		ug/Kg-dry	213678	1	10/02/2015 01:12	YH
Pyrene	30000	5100		ug/Kg-dry	213678	10	10/02/2015 14:46	YH
Surr: 2,4,6-Tribromophenol	101	41-128		%REC	213678	1	10/02/2015 01:12	YH
Surr: 2-Fluorobiphenyl	84.8	47-120		%REC	213678	1	10/02/2015 01:12	YH
Surr: 2-Fluorophenol	74.7	38.3-120		%REC	213678	1	10/02/2015 01:12	YH
Surr: 4-Terphenyl-d14	88.1	51.4-125		%REC	213678	1	10/02/2015 01:12	YH
Surr: Nitrobenzene-d5	87.1	40.1-120		%REC	213678	1	10/02/2015 01:12	YH
Surr: Phenol-d5	83.1	40.3-120		%REC	213678	1	10/02/2015 01:12	YH
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Barium	89.5	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Cadmium	BRL	3.84		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Chromium	42.0	3.84		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Cobalt	6.64	3.84		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Copper	26.0	3.84		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Lead	16.8	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Nickel	11.1	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Selenium	BRL	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Vanadium	67.4	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
Zinc	63.6	7.68		mg/Kg-dry	213711	1	10/01/2015 16:29	IO
PERCENT MOISTURE D2216								
Percent Moisture	35.6	0		wt%	R301354	1	10/05/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	EQUIPMENT BLANK
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 6:00:00 PM
Lab ID:	1509P88-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Acetone	BRL	50		ug/L	213774	1	10/03/2015 15:31	NP
2-Butanone	BRL	50		ug/L	213774	1	10/03/2015 15:31	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Benzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
1,2-Dichloroethane	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Trichloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Toluene	1.3	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Tetrachloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Ethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
m,p-Xylene	BRL	2.0		ug/L	213774	1	10/03/2015 15:31	NP
o-Xylene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Styrene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:31	NP
Surr: 4-Bromofluorobenzene	91.3	70.6-123		%REC	213774	1	10/03/2015 15:31	NP
Surr: Dibromofluoromethane	108	78.7-124		%REC	213774	1	10/03/2015 15:31	NP
Surr: Toluene-d8	94.8	81.3-120		%REC	213774	1	10/03/2015 15:31	NP
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
2,4-Dimethylphenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
2,4-Dinitrophenol	BRL	25		ug/L	213683	1	10/02/2015 21:08	YH
2-Chlorophenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
2-Methylnaphthalene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
2-Methylphenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
3,4-Methylphenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Acenaphthene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Acenaphthylene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Anthracene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Benz(a)anthracene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Benzo(a)pyrene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Benzo(b)fluoranthene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Benzo(k)fluoranthene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Carbazole	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Chrysene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Dibenzofuran	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Fluoranthene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	EQUIPMENT BLANK
Project Name:	ER-437 WCM	**Collection Date:**	9/24/2015 6:00:00 PM
Lab ID:	1509P88-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270D				**(SW3510C)**				
Fluorene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Naphthalene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Pentachlorophenol	BRL	25		ug/L	213683	1	10/02/2015 21:08	YH
Phenanthrene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Phenol	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Pyrene	BRL	10		ug/L	213683	1	10/02/2015 21:08	YH
Surr: 2,4,6-Tribromophenol	80.3	52-133		%REC	213683	1	10/02/2015 21:08	YH
Surr: 2-Fluorobiphenyl	72.9	50-121		%REC	213683	1	10/02/2015 21:08	YH
Surr: 2-Fluorophenol	43	27.5-120		%REC	213683	1	10/02/2015 21:08	YH
Surr: 4-Terphenyl-d14	80.8	46.3-137		%REC	213683	1	10/02/2015 21:08	YH
Surr: Nitrobenzene-d5	69.1	41.2-121		%REC	213683	1	10/02/2015 21:08	YH
Surr: Phenol-d5	29.8	14.3-120		%REC	213683	1	10/02/2015 21:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 5-Oct-15

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK
Project Name:	ER-437 WCM	**Collection Date:**	9/30/2015
Lab ID:	1509P88-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1-Dichloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Acetone	BRL	50		ug/L	213774	1	10/03/2015 15:55	NP
2-Butanone	BRL	50		ug/L	213774	1	10/03/2015 15:55	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Benzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
1,2-Dichloroethane	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Trichloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Toluene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Tetrachloroethene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Ethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
m,p-Xylene	BRL	2.0		ug/L	213774	1	10/03/2015 15:55	NP
o-Xylene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Styrene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	213774	1	10/03/2015 15:55	NP
Surr: 4-Bromofluorobenzene	88.3	70.6-123		%REC	213774	1	10/03/2015 15:55	NP
Surr: Dibromofluoromethane	111	78.7-124		%REC	213774	1	10/03/2015 15:55	NP
Surr: Toluene-d8	98.3	81.3-120		%REC	213774	1	10/03/2015 15:55	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Enviorisk Consultants Work Order Number 1509P88

Checklist completed by [signature] 9-30-15
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (0°≤6°C)*	Yes ✓	No __	

Cooler #1 4°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes __	No ✓
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓
Water - VOA vials have zero headspace?	No VOA vials submitted ✓	Yes __ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No __

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213678

Sample ID: **MB-213678** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg** Prep Date: **10/01/2015** Run No: **301216**
BatchID: **213678** Analysis Date: **10/01/2015** Seq No: **6439573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213678

Sample ID: **MB-213678**	Client ID:		Units: **ug/Kg**	Prep Date: **10/01/2015**	Run No: **301216**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213678**	Analysis Date: **10/01/2015**	Seq No: **6439573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	3131	0	3333		93.9	41	128				
Surr: 2-Fluorobiphenyl	1427	0	1667		85.6	47	120				
Surr: 2-Fluorophenol	2398	0	3333		71.9	38.3	120				
Surr: 4-Terphenyl-d14	1528	0	1667		91.7	51.4	125				
Surr: Nitrobenzene-d5	1348	0	1667		80.9	40.1	120				
Surr: Phenol-d5	2640	0	3333		79.2	40.3	120				

Sample ID: **LCS-213678**	Client ID:		Units: **ug/Kg**	Prep Date: **10/01/2015**	Run No: **301216**
SampleType: **LCS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213678**	Analysis Date: **10/01/2015**	Seq No: **6439574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3070	330	3333		92.1	51	120				
4-Chloro-3-methylphenol	3493	330	3333		105	54	120				
Acenaphthene	3209	330	3333		96.3	57.9	120				
Pentachlorophenol	3486	1700	3333		105	41.8	120				
Phenol	2935	330	3333		88.0	50.1	120				
Pyrene	3489	330	3333		105	59.4	120				
Surr: 2,4,6-Tribromophenol	3461	0	3333		104	41	128				
Surr: 2-Fluorobiphenyl	1642	0	1667		98.5	47	120				
Surr: 2-Fluorophenol	2829	0	3333		84.9	38.3	120				
Surr: 4-Terphenyl-d14	1715	0	1667		103	51.4	125				
Surr: Nitrobenzene-d5	1591	0	1667		95.5	40.1	120				
Surr: Phenol-d5	3158	0	3333		94.7	40.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213678

Sample ID: **1509N67-014CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **10/01/2015** Run No: **301216**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213678** Analysis Date: **10/01/2015** Seq No: **6439576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3380	420	4241		79.7	42.9	120				
4-Chloro-3-methylphenol	3574	420	4241		84.3	41.1	120				
Acenaphthene	3426	420	4241		80.8	51.5	120				
Pentachlorophenol	3544	2200	4241		83.6	38.4	120				
Phenol	3200	420	4241		75.4	41.5	120				
Pyrene	3650	420	4241		86.1	45.2	120				
Surr: 2,4,6-Tribromophenol	3690	0	4241		87.0	41	128				
Surr: 2-Fluorobiphenyl	1772	0	2121		83.6	47	120				
Surr: 2-Fluorophenol	3053	0	4241		72.0	38.3	120				
Surr: 4-Terphenyl-d14	1798	0	2121		84.8	51.4	125				
Surr: Nitrobenzene-d5	1665	0	2121		78.5	40.1	120				
Surr: Phenol-d5	3471	0	4241		81.8	40.3	120				

Sample ID: **1509N67-014CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **10/01/2015** Run No: **301216**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213678** Analysis Date: **10/01/2015** Seq No: **6439577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3341	420	4241		78.8	42.9	120	3380	1.15	30.7	
4-Chloro-3-methylphenol	3609	420	4241		85.1	41.1	120	3574	0.980	40.5	
Acenaphthene	3485	420	4241		82.2	51.5	120	3426	1.71	26.3	
Pentachlorophenol	3604	2200	4241		85.0	38.4	120	3544	1.67	35.9	
Phenol	3210	420	4241		75.7	41.5	120	3200	0.331	37.4	
Pyrene	3819	420	4241		90.0	45.2	120	3650	4.52	35	
Surr: 2,4,6-Tribromophenol	3794	0	4241		89.4	41	128	3690	0	0	
Surr: 2-Fluorobiphenyl	1780	0	2121		83.9	47	120	1772	0	0	
Surr: 2-Fluorophenol	3262	0	4241		76.9	38.3	120	3053	0	0	
Surr: 4-Terphenyl-d14	1898	0	2121		89.5	51.4	125	1798	0	0	
Surr: Nitrobenzene-d5	1721	0	2121		81.2	40.1	120	1665	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213678

Sample ID: **1509N67-014CMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/Kg-dry** Prep Date: **10/01/2015** Run No: **301216**
BatchID: **213678** Analysis Date: **10/01/2015** Seq No: **6439577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3570	0	4241		84.2	40.3	120	3471	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213683

Sample ID: **MB-213683**	Client ID:		Units: **ug/L**	Prep Date: **10/01/2015**	Run No: **301219**
SampleType: **MBLK**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213683**	Analysis Date: **10/01/2015**	Seq No: **6439593**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
3,4-Methylphenol	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213683

Sample ID: **MB-213683** Client ID: Units: **ug/L** Prep Date: **10/01/2015** Run No: **301219**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213683** Analysis Date: **10/01/2015** Seq No: **6439593**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	88.23	0	100.0		88.2	52	133				
Surr: 2-Fluorobiphenyl	42.49	0	50.00		85.0	50	121				
Surr: 2-Fluorophenol	59.87	0	100.0		59.9	27.5	120				
Surr: 4-Terphenyl-d14	46.70	0	50.00		93.4	46.3	137				
Surr: Nitrobenzene-d5	40.92	0	50.00		81.8	41.2	121				
Surr: Phenol-d5	42.69	0	100.0		42.7	14.3	120				

Sample ID: **LCS-213683** Client ID: Units: **ug/L** Prep Date: **10/01/2015** Run No: **301219**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D** BatchID: **213683** Analysis Date: **10/01/2015** Seq No: **6439594**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	80.72	10	100.0		80.7	59.8	120				
4-Chloro-3-methylphenol	92.18	10	100.0		92.2	65.7	126				
Acenaphthene	91.07	10	100.0		91.1	68.2	124				
Pentachlorophenol	91.70	25	100.0		91.7	50.2	136				
Phenol	38.43	10	100.0		38.4	25.6	120				
Pyrene	99.56	10	100.0		99.6	70.1	124				
Surr: 2,4,6-Tribromophenol	101.4	0	100.0		101	52	133				
Surr: 2-Fluorobiphenyl	48.09	0	50.00		96.2	50	121				
Surr: 2-Fluorophenol	52.72	0	100.0		52.7	27.5	120				
Surr: 4-Terphenyl-d14	50.74	0	50.00		101	46.3	137				
Surr: Nitrobenzene-d5	45.66	0	50.00		91.3	41.2	121				
Surr: Phenol-d5	41.70	0	100.0		41.7	14.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213683

Sample ID: **1509N35-003EMS**	Client ID:		Units: **ug/L**	Prep Date: **10/01/2015**	Run No: **301251**
SampleType: **MS**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213683**	Analysis Date: **10/02/2015**	Seq No: **6440423**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	69.68	10	100.0		69.7	51.4	120				
4-Chloro-3-methylphenol	79.67	10	100.0		79.7	50	121				
Acenaphthene	73.45	10	100.0		73.4	53.9	120				
Pentachlorophenol	100.8	25	100.0		101	42.1	134				
Phenol	49.39	10	100.0		49.4	31	120				
Pyrene	81.27	10	100.0		81.3	53	112				
Surr: 2,4,6-Tribromophenol	97.34	0	100.0		97.3	52	133				
Surr: 2-Fluorobiphenyl	40.54	0	50.00		81.1	50	121				
Surr: 2-Fluorophenol	66.65	0	100.0		66.6	27.5	120				
Surr: 4-Terphenyl-d14	45.87	0	50.00		91.7	46.3	137				
Surr: Nitrobenzene-d5	40.15	0	50.00		80.3	41.2	121				
Surr: Phenol-d5	58.61	0	100.0		58.6	14.3	120				

Sample ID: **1509N35-003EMSD**	Client ID:		Units: **ug/L**	Prep Date: **10/01/2015**	Run No: **301251**
SampleType: **MSD**	TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**		BatchID: **213683**	Analysis Date: **10/02/2015**	Seq No: **6440429**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	70.55	10	100.0		70.6	51.4	120	69.68	1.24	27.3	
4-Chloro-3-methylphenol	81.76	10	100.0		81.8	50	121	79.67	2.59	26.5	
Acenaphthene	77.20	10	100.0		77.2	53.9	120	73.45	4.98	22.5	
Pentachlorophenol	98.85	25	100.0		98.8	42.1	134	100.8	1.92	28.3	
Phenol	45.16	10	100.0		45.2	31	120	49.39	8.95	31.9	
Pyrene	80.11	10	100.0		80.1	53	112	81.27	1.44	22.3	
Surr: 2,4,6-Tribromophenol	97.61	0	100.0		97.6	52	133	97.34	0	0	
Surr: 2-Fluorobiphenyl	41.86	0	50.00		83.7	50	121	40.54	0	0	
Surr: 2-Fluorophenol	60.94	0	100.0		60.9	27.5	120	66.65	0	0	
Surr: 4-Terphenyl-d14	44.64	0	50.00		89.3	46.3	137	45.87	0	0	
Surr: Nitrobenzene-d5	40.54	0	50.00		81.1	41.2	121	40.15	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213683

Sample ID: **1509N35-003EMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270D**
Units: **ug/L** Prep Date: **10/01/2015** Run No: **301251**
BatchID: **213683** Analysis Date: **10/02/2015** Seq No: **6440429**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	51.09	0	100.0		51.1	14.3	120	58.61	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213711

Sample ID: **MB-213711** Client ID: Units: **mg/Kg** Prep Date: **09/30/2015** Run No: **301182**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **213711** Analysis Date: **10/01/2015** Seq No: **6438298**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Lead	BRL	5.00									
Nickel	BRL	5.00									
Selenium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-213711** Client ID: Units: **mg/Kg** Prep Date: **09/30/2015** Run No: **301182**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **213711** Analysis Date: **10/01/2015** Seq No: **6438301**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.69	5.00	50.00		93.4	80	120				
Barium	47.37	5.00	50.00		94.7	80	120				
Cadmium	46.43	2.50	50.00		92.9	80	120				
Chromium	47.36	2.50	50.00	0.06271	94.6	80	120				
Cobalt	46.90	2.50	50.00		93.8	80	120				
Copper	47.41	2.50	50.00		94.8	80	120				
Lead	46.42	5.00	50.00		92.8	80	120				
Nickel	46.67	5.00	50.00		93.3	80	120				
Selenium	45.93	5.00	50.00		91.9	80	120				
Vanadium	47.90	5.00	50.00		95.8	80	120				
Zinc	45.76	5.00	50.00		91.5	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213711

Sample ID: **1509P88-001BMS** Client ID: **TW-12 (6')** Units: **mg/Kg-dry** Prep Date: **09/30/2015** Run No: **301182**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **213711** Analysis Date: **10/01/2015** Seq No: **6438303**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	55.57	5.92	59.19	4.276	86.7	75	125				
Barium	172.5	5.92	59.19	110.5	105	75	125				
Cadmium	53.37	2.96	59.19	0.05990	90.1	75	125				
Chromium	96.94	2.96	59.19	37.21	101	75	125				
Cobalt	62.80	2.96	59.19	10.88	87.7	75	125				
Copper	81.43	2.96	59.19	25.60	94.3	75	125				
Lead	108.4	5.92	59.19	63.15	76.4	75	125				
Nickel	69.01	5.92	59.19	17.14	87.6	75	125				
Selenium	48.48	5.92	59.19		81.9	75	125				
Vanadium	101.9	5.92	59.19	43.49	98.7	75	125				
Zinc	141.5	5.92	59.19	91.08	85.2	75	125				

Sample ID: **1509P88-001BMSD** Client ID: **TW-12 (6')** Units: **mg/Kg-dry** Prep Date: **09/30/2015** Run No: **301182**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **213711** Analysis Date: **10/01/2015** Seq No: **6438304**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	57.40	5.92	59.17	4.276	89.8	75	125	55.57	3.24	20	
Barium	191.1	5.92	59.17	110.5	136	75	125	172.5	10.3	20	S
Cadmium	54.88	2.96	59.17	0.05990	92.7	75	125	53.37	2.79	20	
Chromium	95.97	2.96	59.17	37.21	99.3	75	125	96.94	1.00	20	
Cobalt	65.05	2.96	59.17	10.88	91.6	75	125	62.80	3.53	20	
Copper	87.33	2.96	59.17	25.60	104	75	125	81.43	6.99	20	
Lead	125.2	5.92	59.17	63.15	105	75	125	108.4	14.4	20	
Nickel	72.40	5.92	59.17	17.14	93.4	75	125	69.01	4.79	20	
Selenium	50.37	5.92	59.17		85.1	75	125	48.48	3.83	20	
Vanadium	105.2	5.92	59.17	43.49	104	75	125	101.9	3.13	20	
Zinc	157.0	5.92	59.17	91.08	111	75	125	141.5	10.4	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213742

Sample ID: **MB-213742**	Client ID:		Units: **ug/Kg**	Prep Date: **09/30/2015**	Run No: **301012**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213742**	Analysis Date: **09/30/2015**	Seq No: **6442176**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	42.32	0	50.00		84.6	70	128				
Surr: Dibromofluoromethane	51.06	0	50.00		102	78.2	128				
Surr: Toluene-d8	50.17	0	50.00		100	76.5	116				

Sample ID: **LCS-213742**	Client ID:		Units: **ug/Kg**	Prep Date: **09/30/2015**	Run No: **301012**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213742**	Analysis Date: **09/30/2015**	Seq No: **6442177**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	61.48	5.0	50.00		123	69.9	145				
Benzene	49.81	5.0	50.00		99.6	72.3	130				
Toluene	47.85	5.0	50.00		95.7	71.1	130				
Trichloroethene	52.65	5.0	50.00		105	71.7	136				
Surr: 4-Bromofluorobenzene	43.34	0	50.00		86.7	70	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213742

Sample ID: **LCS-213742**	Client ID:			Units: **ug/Kg**	Prep Date: **09/30/2015**	Run No: **301012**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**			BatchID: **213742**	Analysis Date: **09/30/2015**	Seq No: **6442177**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	49.92	0	50.00		99.8	78.2	128				
Surr: Toluene-d8	49.00	0	50.00		98.0	76.5	116				

Sample ID: **1509O58-001AMS**	Client ID:			Units: **ug/Kg-dry**	Prep Date: **09/30/2015**	Run No: **301012**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**			BatchID: **213742**	Analysis Date: **09/30/2015**	Seq No: **6442180**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	76.77	7.2	71.90		107	56.6	151				
Benzene	66.94	7.2	71.90		93.1	70.4	130				
Toluene	64.40	7.2	71.90		89.6	70.4	130				
Trichloroethene	70.93	7.2	71.90		98.7	70.1	137				
Surr: 4-Bromofluorobenzene	58.67	0	71.90		81.6	70	128				
Surr: Dibromofluoromethane	69.77	0	71.90		97.0	78.2	128				
Surr: Toluene-d8	71.61	0	71.90		99.6	76.5	116				

Sample ID: **1509O58-001AMSD**	Client ID:			Units: **ug/Kg-dry**	Prep Date: **09/30/2015**	Run No: **301012**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**			BatchID: **213742**	Analysis Date: **09/30/2015**	Seq No: **6442182**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	78.88	7.2	71.90		110	56.6	151	76.77	2.72	20.4	
Benzene	66.40	7.2	71.90		92.4	70.4	130	66.94	0.798	16.9	
Toluene	65.70	7.2	71.90		91.4	70.4	130	64.40	1.99	16.6	
Trichloroethene	68.70	7.2	71.90		95.6	70.1	137	70.93	3.19	17	
Surr: 4-Bromofluorobenzene	60.26	0	71.90		83.8	70	128	58.67	0	0	
Surr: Dibromofluoromethane	71.95	0	71.90		100	78.2	128	69.77	0	0	
Surr: Toluene-d8	71.55	0	71.90		99.5	76.5	116	71.61	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213774

Sample ID: **MB-213774**	Client ID:		Units: **ug/L**	Prep Date: **09/30/2015**	Run No: **301078**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213774**	Analysis Date: **09/30/2015**	Seq No: **6437074**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	46.25	0	50.00		92.5	70.6	123				
Surr: Dibromofluoromethane	45.66	0	50.00		91.3	78.7	124				
Surr: Toluene-d8	47.65	0	50.00		95.3	81.3	120				

Sample ID: **LCS-213774**	Client ID:		Units: **ug/L**	Prep Date: **09/30/2015**	Run No: **301175**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213774**	Analysis Date: **10/01/2015**	Seq No: **6440069**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	47.73	5.0	50.00		95.5	64.2	137				
Benzene	47.19	5.0	50.00		94.4	72.8	128				
Toluene	48.12	5.0	50.00		96.2	74.9	127				
Trichloroethene	48.96	5.0	50.00		97.9	70.5	134				
Surr: 4-Bromofluorobenzene	46.66	0	50.00		93.3	70.6	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: ER-437 WCM
Workorder: 1509P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 213774

Sample ID: **LCS-213774**	Client ID:		Units: **ug/L**	Prep Date: **09/30/2015**	Run No: **301175**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213774**	Analysis Date: **10/01/2015**	Seq No: **6440069**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	45.92	0	50.00		91.8	78.7	124				
Surr: Toluene-d8	47.66	0	50.00		95.3	81.3	120				

Sample ID: **1509P29-006AMS**	Client ID:		Units: **ug/L**	Prep Date: **09/30/2015**	Run No: **301175**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213774**	Analysis Date: **10/01/2015**	Seq No: **6440090**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.78	5.0	50.00		93.6	60.5	156				
Benzene	47.00	5.0	50.00		94.0	70	135				
Toluene	47.72	5.0	50.00		95.4	70.5	137				
Trichloroethene	49.15	5.0	50.00		98.3	71.8	139				
Surr: 4-Bromofluorobenzene	46.11	0	50.00		92.2	70.6	123				
Surr: Dibromofluoromethane	46.19	0	50.00		92.4	78.7	124				
Surr: Toluene-d8	47.92	0	50.00		95.8	81.3	120				

Sample ID: **1509P29-006AMSD**	Client ID:		Units: **ug/L**	Prep Date: **09/30/2015**	Run No: **301175**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**		BatchID: **213774**	Analysis Date: **10/01/2015**	Seq No: **6440091**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.65	5.0	50.00		89.3	60.5	156	46.78	4.66	20	
Benzene	45.08	5.0	50.00		90.2	70	135	47.00	4.17	20	
Toluene	45.36	5.0	50.00		90.7	70.5	137	47.72	5.07	20	
Trichloroethene	46.47	5.0	50.00		92.9	71.8	139	49.15	5.61	20	
Surr: 4-Bromofluorobenzene	45.22	0	50.00		90.4	70.6	123	46.11	0	0	
Surr: Dibromofluoromethane	46.01	0	50.00		92.0	78.7	124	46.19	0	0	
Surr: Toluene-d8	47.69	0	50.00		95.4	81.3	120	47.92	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 03, 2019

Kenneth C. Summerour
Envirorisk Consultants

601 S. Madison Ave
Monroe GA 30655

RE: WC Meredith (Phase 4)

Dear Kenneth C. Summerour: Order No: 1903Q74

Analytical Environmental Services, Inc. received 28 samples on 3/26/2019 5:55:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1903Q74

Date: 3/26/19 Page 1 of 2

COMPANY:	ADDRESS:
ENVIRORISK CONSULTANTS, INC.	533 S. MADISON AVE MONROE GA 30655
PHONE: 678-635-7360	EMAIL: GT8-635-7380
SAMPLED BY: JASON CHAPPELL	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260*	8270*	Total Metals*	Dissolved Metals	PRESERVATION (see codes)	REMARKS	Number of Containers
											SM/S		
1	TMW-22-1'	3/25/19	1000	✓		SO	✓	✓	✓		I		6
2	TMW-22-3'		1010				✓	✓	✓		I		6
3	TMW-23-1'		1045				✓	✓	✓		I		6
4	TMW-23-4'		1055				✓	✓	✓		I		6
5	TMW-24-1'		1140				✓	✓	✓		I		6
6	TMW-24-5'		1150				✓	✓	✓		I		6
7	TMW-25-1'		1245				✓	✓	✓		I		7
8	TMW-25-5'		1255				✓	✓	✓		I		6
9	TMW-26-1'		1410				✓	✓	✓		I		6
10	TMW-26-10'		1420				✓	✓	✓		I		6
11	TMW-27-1'	3/26/19	1015				✓	✓	✓		I		6
12	TMW-27-4'		1025				✓	✓	✓		I		6
13	TMW-28-1'		1115				✓	✓	✓		I		6
14	TMW-28-5'		1125				✓	✓	✓		I		6

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	3/26/19 1755	1.	3/26/19
2.		2.	5:55
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
* - Site specific

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: WC MEREDITH (PHASE 4)
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: JASON CHAPPELL
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

7.11.18_CO

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1903074

Date: 3/26/19 Page 2 of 2

COMPANY: ENVIROSIS/2 CONSULTANTS, INC.
ADDRESS: 533 S. MADISON AVE MONROE, GA 30655
PHONE: 678-635-7360
EMAIL: 678-635-7380
SAMPLED BY: JASON CHAPPELL
SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260*	8270*	TOTAL METALS*	REMARKS	Number of Containers
1	TMW-29-1'	3/26/19	1215	✓		GW	✓	✓	✓		6
2	TMW-29-5'		1230				✓	✓	✓		6
3	TMW-29-7'		1240				✓	✓	✓		6
4	TMW-30-1'		1310				✓	✓	✓		6
5	TMW-30-8'		1320				✓	✓	✓		6
6	TMW-31-1'		1400				✓	✓	✓		6
7	TMW-31-4'		1410				✓	✓	✓		6
8	TMW-32-1'		1440				✓	✓	✓		6
9	TMW-32-4'		1450				✓	✓	✓		6
10	TMW-33-1'		1545				✓	✓	✓		6
11	TMW-33-5'		1600	✓		↓	✓	✓	✓		6
12	EB-1	↓	1630	✓		W	✓				2
13											
14											

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

PRESERVATION (see codes)

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	3/26/19 1755	1.	3/26/19 5:55pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
* Site Specific

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: WC MEREDITH
PROJECT #: ER-437
SITE ADDRESS: EAST POINT, GEORGIA
SEND REPORT TO: JASON CHAPPELL
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush **(auth req.)**
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

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7.11.18_CO

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Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: WC Meredith (Phase 4)
Lab ID: 1903Q74

Case Narrative

Subcontracted Analyses:

Sample TMW-25-5' for Dioxins/Furans Method 8290 was subcontracted to another accredited laboratory for analysis.

Volatile Organic Compounds Analysis by Method 8260D:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1903Q74-003A, -004A, -007A, -023 A and -025A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Semi-Volatiles Organic Compounds Analysis by Method 8270:

Percent recovery for the surrogate spiking compound 2,4,6-Tribromophenol on the LCS samples for Batch 276634 was outside control limits biased high. All target analytes, other LCS surrogate recoveries and 2,4,6-Tribromophenol recoveries in associated samples were within control limits and data was not affected.

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:00:00 AM
Lab ID:	1903Q74-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Acetone	0.38	0.22		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Benzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Toluene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Styrene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:03	CC
Surr: 4-Bromofluorobenzene	81.2	65.1-125		%REC	276792	1	03/31/2019 18:03	CC
Surr: Dibromofluoromethane	106	77.7-123		%REC	276792	1	03/31/2019 18:03	CC
Surr: Toluene-d8	92.7	83.2-120		%REC	276792	1	03/31/2019 18:03	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.139		mg/Kg-dry	276766	1	04/01/2019 13:59	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2,4,6-Trichlorophenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2,4-Dimethylphenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2,4-Dinitrophenol	BRL	2.4		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2-Chlorophenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2-Methylnaphthalene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
2-Methylphenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
3,4-Methylphenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
4-Chloro-3-methylphenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Acenaphthene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Acenaphthylene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Anthracene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Benz(a)anthracene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Benzo(a)pyrene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Benzo(b)fluoranthene	0.70	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Benzo(k)fluoranthene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Carbazole	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Chrysene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:00:00 AM
Lab ID:	1903Q74-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Dibenzofuran	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Fluoranthene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Fluorene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Indeno(1,2,3-cd)pyrene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Naphthalene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Pentachlorophenol	BRL	2.4		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Phenanthrene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Phenol	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Pyrene	BRL	0.46		mg/Kg-dry	276575	1	03/29/2019 18:09	YH
Surr: 2,4,6-Tribromophenol	96.2	45.6-120		%REC	276575	1	03/29/2019 18:09	YH
Surr: 2-Fluorobiphenyl	72.7	51.4-120		%REC	276575	1	03/29/2019 18:09	YH
Surr: 2-Fluorophenol	54.3	40.9-120		%REC	276575	1	03/29/2019 18:09	YH
Surr: 4-Terphenyl-d14	71	52.2-129		%REC	276575	1	03/29/2019 18:09	YH
Surr: Nitrobenzene-d5	64.7	40-120		%REC	276575	1	03/29/2019 18:09	YH
Surr: Phenol-d5	56.3	45-120		%REC	276575	1	03/29/2019 18:09	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	22200	137		mg/Kg-dry	276570	10	04/01/2019 21:35	KT
Arsenic	BRL	102		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Barium	106	6.83		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Cadmium	BRL	0.68		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Chromium	57.5	13.7		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Cobalt	12.2	3.42		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Copper	40.6	1.37		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Lead	89.0	0.68		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Nickel	14.4	3.42		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Selenium	BRL	34.2		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
Vanadium	74.5	3.42		mg/Kg-dry	276570	10	04/01/2019 21:35	KT
Zinc	218	6.83		mg/Kg-dry	276570	10	03/29/2019 19:07	KT
PERCENT MOISTURE D2216								
Percent Moisture	28.4	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22-3'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:10:00 AM
Lab ID:	1903Q74-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Acetone	BRL	0.21		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Benzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Toluene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Styrene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 18:29	CC
Surr: 4-Bromofluorobenzene	84.9	65.1-125		%REC	276792	1	03/31/2019 18:29	CC
Surr: Dibromofluoromethane	110	77.7-123		%REC	276792	1	03/31/2019 18:29	CC
Surr: Toluene-d8	99.1	83.2-120		%REC	276792	1	03/31/2019 18:29	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.144		mg/Kg-dry	276766	1	04/01/2019 14:09	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2,4,6-Trichlorophenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2,4-Dimethylphenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2-Chlorophenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2-Methylnaphthalene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
2-Methylphenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
3,4-Methylphenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
4-Chloro-3-methylphenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Acenaphthene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Acenaphthylene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Anthracene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Benz(a)anthracene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Benzo(a)pyrene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Benzo(b)fluoranthene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Benzo(k)fluoranthene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Carbazole	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Chrysene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-22-3'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:10:00 AM
Lab ID:	1903Q74-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Dibenzofuran	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Fluoranthene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Fluorene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Indeno(1,2,3-cd)pyrene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Naphthalene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Pentachlorophenol	BRL	2.5		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Phenanthrene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Phenol	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Pyrene	BRL	0.48		mg/Kg-dry	276575	1	03/29/2019 18:37	YH
Surr: 2,4,6-Tribromophenol	89.9	45.6-120		%REC	276575	1	03/29/2019 18:37	YH
Surr: 2-Fluorobiphenyl	66.4	51.4-120		%REC	276575	1	03/29/2019 18:37	YH
Surr: 2-Fluorophenol	48.6	40.9-120		%REC	276575	1	03/29/2019 18:37	YH
Surr: 4-Terphenyl-d14	66.8	52.2-129		%REC	276575	1	03/29/2019 18:37	YH
Surr: Nitrobenzene-d5	59.3	40-120		%REC	276575	1	03/29/2019 18:37	YH
Surr: Phenol-d5	50.5	45-120		%REC	276575	1	03/29/2019 18:37	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	17500	116		mg/Kg-dry	276570	10	04/01/2019 21:45	KT
Arsenic	BRL	87.2		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Barium	74.2	5.82		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Cadmium	BRL	0.58		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Chromium	42.0	11.6		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Cobalt	9.17	2.91		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Copper	21.5	1.16		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Lead	24.4	0.58		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Nickel	8.42	2.91		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Selenium	BRL	29.1		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
Vanadium	57.7	2.91		mg/Kg-dry	276570	10	04/01/2019 21:45	KT
Zinc	133	5.82		mg/Kg-dry	276570	10	03/29/2019 19:23	KT
PERCENT MOISTURE D2216								
Percent Moisture	31.9	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:45:00 AM
Lab ID:	1903Q74-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Acetone	BRL	0.19		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
2-Butanone	BRL	0.097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
1,1,1-Trichloroethane	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Benzene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
1,2-Dichloroethane	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Trichloroethene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Toluene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Tetrachloroethene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Ethylbenzene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
m,p-Xylene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
o-Xylene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Styrene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
1,3,5-Trimethylbenzene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
1,2,4-Trimethylbenzene	BRL	0.0097		mg/Kg-dry	276792	1	03/31/2019 18:56	CC
Surr: 4-Bromofluorobenzene	74.7	65.1-125		%REC	276792	1	03/31/2019 18:56	CC
Surr: Dibromofluoromethane	102	77.7-123		%REC	276792	1	03/31/2019 18:56	CC
Surr: Toluene-d8	93.3	83.2-120		%REC	276792	1	03/31/2019 18:56	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.120		mg/Kg-dry	276766	1	04/01/2019 14:13	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Anthracene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Benz(a)anthracene	0.44	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Benzo(b)fluoranthene	0.82	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Carbazole	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Chrysene	0.53	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:45:00 AM
Lab ID:	1903Q74-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Fluoranthene	0.88	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Fluorene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Naphthalene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Phenol	BRL	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Pyrene	0.68	0.42		mg/Kg-dry	276575	1	03/29/2019 19:03	YH
Surr: 2,4,6-Tribromophenol	93	45.6-120		%REC	276575	1	03/29/2019 19:03	YH
Surr: 2-Fluorobiphenyl	69.7	51.4-120		%REC	276575	1	03/29/2019 19:03	YH
Surr: 2-Fluorophenol	52.3	40.9-120		%REC	276575	1	03/29/2019 19:03	YH
Surr: 4-Terphenyl-d14	67.3	52.2-129		%REC	276575	1	03/29/2019 19:03	YH
Surr: Nitrobenzene-d5	64.4	40-120		%REC	276575	1	03/29/2019 19:03	YH
Surr: Phenol-d5	54	45-120		%REC	276575	1	03/29/2019 19:03	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	12700	120		mg/Kg-dry	276570	10	04/01/2019 21:48	KT
Arsenic	BRL	90.0		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Barium	90.5	6.00		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Cadmium	1.17	0.60		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Chromium	41.7	12.0		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Cobalt	8.48	3.00		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Copper	39.7	1.20		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Lead	55.2	0.60		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Nickel	13.0	3.00		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Selenium	BRL	30.0		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
Vanadium	46.1	3.00		mg/Kg-dry	276570	10	04/01/2019 21:48	KT
Zinc	103	6.00		mg/Kg-dry	276570	10	03/29/2019 19:27	KT
PERCENT MOISTURE D2216								
Percent Moisture	20.8	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:55:00 AM
Lab ID:	1903Q74-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Acetone	BRL	0.42		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
2-Butanone	BRL	0.21		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
1,1,1-Trichloroethane	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Benzene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
1,2-Dichloroethane	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Trichloroethene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Toluene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Tetrachloroethene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Ethylbenzene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
m,p-Xylene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
o-Xylene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Styrene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
1,3,5-Trimethylbenzene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
1,2,4-Trimethylbenzene	BRL	0.021		mg/Kg-dry	276792	1	03/31/2019 19:22	CC
Surr: 4-Bromofluorobenzene	71.7	65.1-125		%REC	276792	1	03/31/2019 19:22	CC
Surr: Dibromofluoromethane	106	77.7-123		%REC	276792	1	03/31/2019 19:22	CC
Surr: Toluene-d8	90.1	83.2-120		%REC	276792	1	03/31/2019 19:22	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.246	0.194		mg/Kg-dry	276766	1	04/01/2019 14:16	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2,4,6-Trichlorophenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2,4-Dimethylphenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2,4-Dinitrophenol	BRL	3.4		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2-Chlorophenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2-Methylnaphthalene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
2-Methylphenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
3,4-Methylphenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
4-Chloro-3-methylphenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Acenaphthene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Acenaphthylene	0.69	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Anthracene	2.5	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Benz(a)anthracene	0.92	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Benzo(a)pyrene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Benzo(b)fluoranthene	1.3	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Benzo(k)fluoranthene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Carbazole	1.8	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Chrysene	0.90	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-23-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 10:55:00 AM
Lab ID:	1903Q74-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Dibenzofuran	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Fluoranthene	2.0	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Fluorene	0.66	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Indeno(1,2,3-cd)pyrene	0.77	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Naphthalene	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Pentachlorophenol	13	6.6		mg/Kg-dry	276634	10	04/02/2019 15:09	YH
Phenanthrene	0.66	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Phenol	BRL	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Pyrene	1.4	0.66		mg/Kg-dry	276634	1	03/29/2019 19:57	YH
Surr: 2,4,6-Tribromophenol	133	45.6-120	S	%REC	276634	1	03/29/2019 19:57	YH
Surr: 2-Fluorobiphenyl	92.8	51.4-120		%REC	276634	1	03/29/2019 19:57	YH
Surr: 2-Fluorophenol	70.2	40.9-120		%REC	276634	1	03/29/2019 19:57	YH
Surr: 4-Terphenyl-d14	91.6	52.2-129		%REC	276634	1	03/29/2019 19:57	YH
Surr: Nitrobenzene-d5	87.7	40-120		%REC	276634	1	03/29/2019 19:57	YH
Surr: Phenol-d5	73.1	45-120		%REC	276634	1	03/29/2019 19:57	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	31100	175		mg/Kg-dry	276570	10	04/01/2019 21:51	KT
Arsenic	BRL	131		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Barium	196	8.74		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Cadmium	BRL	0.87		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Chromium	74.7	17.5		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Cobalt	12.3	4.37		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Copper	78.5	1.75		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Lead	331	0.87		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Nickel	26.6	4.37		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Selenium	BRL	43.7		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
Vanadium	106	4.37		mg/Kg-dry	276570	10	04/01/2019 21:51	KT
Zinc	302	8.74		mg/Kg-dry	276570	10	03/29/2019 19:30	KT
PERCENT MOISTURE D2216								
Percent Moisture	49.8	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 11:40:00 AM
Lab ID:	1903Q74-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Acetone	BRL	0.17		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
2-Butanone	BRL	0.087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
1,1,1-Trichloroethane	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Benzene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
1,2-Dichloroethane	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Trichloroethene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Toluene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Tetrachloroethene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Ethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
m,p-Xylene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
o-Xylene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Styrene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
1,3,5-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
1,2,4-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	03/31/2019 20:41	CC
Surr: 4-Bromofluorobenzene	83.7	65.1-125		%REC	276792	1	03/31/2019 20:41	CC
Surr: Dibromofluoromethane	99.7	77.7-123		%REC	276792	1	03/31/2019 20:41	CC
Surr: Toluene-d8	95.1	83.2-120		%REC	276792	1	03/31/2019 20:41	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.134		mg/Kg-dry	276766	1	04/01/2019 14:19	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Acenaphthylene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Anthracene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Benz(a)anthracene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Benzo(a)pyrene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Benzo(b)fluoranthene	0.69	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Benzo(k)fluoranthene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Carbazole	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Chrysene	0.49	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 11:40:00 AM
Lab ID:	1903Q74-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Fluoranthene	0.94	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Fluorene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Indeno(1,2,3-cd)pyrene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Naphthalene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Phenanthrene	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Phenol	BRL	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Pyrene	0.75	0.45		mg/Kg-dry	276634	1	03/29/2019 20:24	YH
Surr: 2,4,6-Tribromophenol	116	45.6-120		%REC	276634	1	03/29/2019 20:24	YH
Surr: 2-Fluorobiphenyl	81.7	51.4-120		%REC	276634	1	03/29/2019 20:24	YH
Surr: 2-Fluorophenol	58.9	40.9-120		%REC	276634	1	03/29/2019 20:24	YH
Surr: 4-Terphenyl-d14	83.7	52.2-129		%REC	276634	1	03/29/2019 20:24	YH
Surr: Nitrobenzene-d5	77.5	40-120		%REC	276634	1	03/29/2019 20:24	YH
Surr: Phenol-d5	62.4	45-120		%REC	276634	1	03/29/2019 20:24	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	11900	104		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Arsenic	BRL	78.1		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Barium	89.0	5.21		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Cadmium	BRL	0.52		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Chromium	41.2	10.4		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Cobalt	6.70	2.60		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Copper	37.3	1.04		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Lead	60.7	0.52		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Nickel	11.4	2.60		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Selenium	BRL	26.0		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Vanadium	53.6	2.60		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
Zinc	114	5.21		mg/Kg-dry	276570	10	03/29/2019 19:43	KT
PERCENT MOISTURE D2216								
Percent Moisture	27.1	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 11:50:00 AM
Lab ID:	1903Q74-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Acetone	BRL	0.30		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
2-Butanone	BRL	0.15		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
1,1,1-Trichloroethane	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Benzene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
1,2-Dichloroethane	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Trichloroethene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Toluene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Tetrachloroethene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Ethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
m,p-Xylene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
o-Xylene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Styrene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
1,3,5-Trimethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
1,2,4-Trimethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	03/31/2019 21:07	CC
Surr: 4-Bromofluorobenzene	84.4	65.1-125		%REC	276792	1	03/31/2019 21:07	CC
Surr: Dibromofluoromethane	99.6	77.7-123		%REC	276792	1	03/31/2019 21:07	CC
Surr: Toluene-d8	94.9	83.2-120		%REC	276792	1	03/31/2019 21:07	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.173		mg/Kg-dry	276766	1	04/01/2019 14:49	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2,4,6-Trichlorophenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2,4-Dimethylphenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2,4-Dinitrophenol	BRL	3.1		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2-Chlorophenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2-Methylnaphthalene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
2-Methylphenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
3,4-Methylphenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
4-Chloro-3-methylphenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Acenaphthene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Acenaphthylene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Anthracene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Benz(a)anthracene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Benzo(a)pyrene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Benzo(b)fluoranthene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Benzo(k)fluoranthene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Carbazole	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Chrysene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-24-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 11:50:00 AM
Lab ID:	1903Q74-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Dibenzofuran	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Fluoranthene	0.70	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Fluorene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Indeno(1,2,3-cd)pyrene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Naphthalene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Pentachlorophenol	BRL	3.1		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Phenanthrene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Phenol	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Pyrene	BRL	0.60		mg/Kg-dry	276634	1	03/29/2019 20:50	YH
Surr: 2,4,6-Tribromophenol	89.7	45.6-120		%REC	276634	1	03/29/2019 20:50	YH
Surr: 2-Fluorobiphenyl	64.6	51.4-120		%REC	276634	1	03/29/2019 20:50	YH
Surr: 2-Fluorophenol	47.1	40.9-120		%REC	276634	1	03/29/2019 20:50	YH
Surr: 4-Terphenyl-d14	66.3	52.2-129		%REC	276634	1	03/29/2019 20:50	YH
Surr: Nitrobenzene-d5	60.6	40-120		%REC	276634	1	03/29/2019 20:50	YH
Surr: Phenol-d5	49.4	45-120		%REC	276634	1	03/29/2019 20:50	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	21300	143		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Arsenic	BRL	107		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Barium	83.3	7.16		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Cadmium	BRL	0.72		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Chromium	185	14.3		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Cobalt	6.77	3.58		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Copper	34.0	1.43		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Lead	22.6	0.72		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Nickel	10.3	3.58		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Selenium	BRL	35.8		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Vanadium	103	3.58		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
Zinc	126	7.16		mg/Kg-dry	276570	10	03/29/2019 19:47	KT
PERCENT MOISTURE D2216								
Percent Moisture	44.9	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 12:45:00 PM
Lab ID:	1903Q74-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Acetone	BRL	0.22		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Benzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Toluene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Styrene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 12:25	AR
Surr: 4-Bromofluorobenzene	97.5	65.1-125		%REC	276792	1	04/01/2019 12:25	AR
Surr: Dibromofluoromethane	96.9	77.7-123		%REC	276792	1	04/01/2019 12:25	AR
Surr: Toluene-d8	93.2	83.2-120		%REC	276792	1	04/01/2019 12:25	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.219	0.146		mg/Kg-dry	276766	1	04/01/2019 14:52	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2,4,6-Trichlorophenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2,4-Dimethylphenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2,4-Dinitrophenol	BRL	2.6		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2-Chlorophenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2-Methylnaphthalene	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
2-Methylphenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
3,4-Methylphenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
4-Chloro-3-methylphenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Acenaphthene	0.89	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Acenaphthylene	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Anthracene	4.5	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Benz(a)anthracene	2.5	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Benzo(a)pyrene	1.1	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Benzo(b)fluoranthene	2.8	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Benzo(k)fluoranthene	1.0	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Carbazole	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Chrysene	3.7	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 12:45:00 PM
Lab ID:	1903Q74-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Dibenzofuran	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Fluoranthene	11	5.0		mg/Kg-dry	276711	10	04/02/2019 18:52	YH
Fluorene	1.6	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Indeno(1,2,3-cd)pyrene	0.63	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Naphthalene	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Pentachlorophenol	2.9	2.6		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Phenanthrene	6.1	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Phenol	BRL	0.50		mg/Kg-dry	276711	1	04/01/2019 13:50	YH
Pyrene	7.3	5.0		mg/Kg-dry	276711	10	04/02/2019 18:52	YH
Surr: 2,4,6-Tribromophenol	75.5	45.6-120		%REC	276711	1	04/01/2019 13:50	YH
Surr: 2-Fluorobiphenyl	71	51.4-120		%REC	276711	1	04/01/2019 13:50	YH
Surr: 2-Fluorophenol	71.6	40.9-120		%REC	276711	1	04/01/2019 13:50	YH
Surr: 4-Terphenyl-d14	75.8	52.2-129		%REC	276711	1	04/01/2019 13:50	YH
Surr: Nitrobenzene-d5	85.5	40-120		%REC	276711	1	04/01/2019 13:50	YH
Surr: Phenol-d5	74.6	45-120		%REC	276711	1	04/01/2019 13:50	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	20500	125		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Arsenic	BRL	93.7		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Barium	138	6.25		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Cadmium	BRL	0.62		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Chromium	64.3	12.5		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Cobalt	16.9	3.12		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Copper	64.2	1.25		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Lead	97.6	0.62		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Nickel	19.9	3.12		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Selenium	BRL	31.2		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Vanadium	88.1	3.12		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
Zinc	204	6.25		mg/Kg-dry	276570	10	03/29/2019 19:50	KT
PERCENT MOISTURE D2216								
Percent Moisture	34.0	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 12:55:00 PM
Lab ID:	1903Q74-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Acetone	BRL	0.38		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
2-Butanone	BRL	0.19		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
1,1,1-Trichloroethane	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Benzene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
1,2-Dichloroethane	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Trichloroethene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Toluene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Tetrachloroethene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Ethylbenzene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
m,p-Xylene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
o-Xylene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Styrene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
1,3,5-Trimethylbenzene	BRL	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
1,2,4-Trimethylbenzene	0.020	0.019		mg/Kg-dry	276792	1	03/31/2019 21:59	CC
Surr: 4-Bromofluorobenzene	83.7	65.1-125		%REC	276792	1	03/31/2019 21:59	CC
Surr: Dibromofluoromethane	105	77.7-123		%REC	276792	1	03/31/2019 21:59	CC
Surr: Toluene-d8	90.9	83.2-120		%REC	276792	1	03/31/2019 21:59	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.280	0.185		mg/Kg-dry	276766	1	04/01/2019 14:55	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
2,4,6-Trichlorophenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
2,4-Dimethylphenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
2,4-Dinitrophenol	BRL	3.3		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
2-Chlorophenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
2-Methylnaphthalene	130	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
2-Methylphenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
3,4-Methylphenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
4-Chloro-3-methylphenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Acenaphthene	140	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
Acenaphthylene	2.5	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Anthracene	100	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH
Benz(a)anthracene	27	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH
Benzo(a)pyrene	9.0	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Benzo(b)fluoranthene	17	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH
Benzo(k)fluoranthene	4.0	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Carbazole	29	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH
Chrysene	27	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-25-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 12:55:00 PM
Lab ID:	1903Q74-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	1.1	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Dibenzofuran	4.8	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Fluoranthene	230	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
Fluorene	180	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
Indeno(1,2,3-cd)pyrene	3.0	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Naphthalene	85	6.3		mg/Kg-dry	276711	10	04/02/2019 18:00	YH
Pentachlorophenol	BRL	3.3		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Phenanthrene	410	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
Phenol	BRL	0.63		mg/Kg-dry	276711	1	04/01/2019 14:19	YH
Pyrene	130	63		mg/Kg-dry	276711	100	04/02/2019 18:25	YH
Surr: 2,4,6-Tribromophenol	82.2	45.6-120		%REC	276711	1	04/01/2019 14:19	YH
Surr: 2-Fluorobiphenyl	63.6	51.4-120		%REC	276711	1	04/01/2019 14:19	YH
Surr: 2-Fluorophenol	65.4	40.9-120		%REC	276711	1	04/01/2019 14:19	YH
Surr: 4-Terphenyl-d14	58.5	52.2-129		%REC	276711	1	04/01/2019 14:19	YH
Surr: Nitrobenzene-d5	75.9	40-120		%REC	276711	1	04/01/2019 14:19	YH
Surr: Phenol-d5	68.8	45-120		%REC	276711	1	04/01/2019 14:19	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	20600	179		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Arsenic	BRL	134		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Barium	150	8.95		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Cadmium	BRL	0.90		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Chromium	93.7	17.9		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Cobalt	10.6	4.47		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Copper	83.0	1.79		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Lead	108	0.90		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Nickel	21.3	4.47		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Selenium	BRL	44.7		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Vanadium	88.1	4.47		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
Zinc	396	8.95		mg/Kg-dry	276570	10	03/29/2019 19:53	KT
PERCENT MOISTURE D2216								
Percent Moisture	47.8	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 2:10:00 PM
Lab ID:	1903Q74-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Acetone	BRL	0.22		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Benzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Toluene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Styrene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	03/31/2019 22:25	CC
Surr: 4-Bromofluorobenzene	81	65.1-125		%REC	276792	1	03/31/2019 22:25	CC
Surr: Dibromofluoromethane	97.3	77.7-123		%REC	276792	1	03/31/2019 22:25	CC
Surr: Toluene-d8	93.2	83.2-120		%REC	276792	1	03/31/2019 22:25	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.148		mg/Kg-dry	276766	1	04/01/2019 14:59	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2,4,6-Trichlorophenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2,4-Dimethylphenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2,4-Dinitrophenol	BRL	2.7		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2-Chlorophenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2-Methylnaphthalene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
2-Methylphenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
3,4-Methylphenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
4-Chloro-3-methylphenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Acenaphthene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Acenaphthylene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Anthracene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Benz(a)anthracene	0.87	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Benzo(a)pyrene	0.98	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Benzo(b)fluoranthene	2.0	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Benzo(k)fluoranthene	0.79	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Carbazole	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Chrysene	1.4	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 2:10:00 PM
Lab ID:	1903Q74-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Dibenzofuran	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Fluoranthene	1.7	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Fluorene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Indeno(1,2,3-cd)pyrene	0.69	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Naphthalene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Pentachlorophenol	BRL	2.7		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Phenanthrene	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Phenol	BRL	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Pyrene	2.0	0.52		mg/Kg-dry	276711	1	04/01/2019 13:19	YH
Surr: 2,4,6-Tribromophenol	70	45.6-120		%REC	276711	1	04/01/2019 13:19	YH
Surr: 2-Fluorobiphenyl	73.5	51.4-120		%REC	276711	1	04/01/2019 13:19	YH
Surr: 2-Fluorophenol	72.2	40.9-120		%REC	276711	1	04/01/2019 13:19	YH
Surr: 4-Terphenyl-d14	77.6	52.2-129		%REC	276711	1	04/01/2019 13:19	YH
Surr: Nitrobenzene-d5	80.7	40-120		%REC	276711	1	04/01/2019 13:19	YH
Surr: Phenol-d5	76.8	45-120		%REC	276711	1	04/01/2019 13:19	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	18500	130		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Arsenic	BRL	97.3		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Barium	94.1	6.49		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Cadmium	BRL	0.65		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Chromium	49.8	13.0		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Cobalt	16.8	3.24		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Copper	65.2	1.30		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Lead	87.5	0.65		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Nickel	24.0	3.24		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Selenium	BRL	32.4		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Vanadium	127	3.24		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
Zinc	98.6	6.49		mg/Kg-dry	276570	10	03/29/2019 19:57	KT
PERCENT MOISTURE D2216								
Percent Moisture	36.0	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26-10'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 2:20:00 PM
Lab ID:	1903Q74-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Acetone	BRL	0.20		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
2-Butanone	BRL	0.098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
1,1,1-Trichloroethane	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Benzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
1,2-Dichloroethane	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Trichloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Toluene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Tetrachloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Ethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
m,p-Xylene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
o-Xylene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Styrene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
1,3,5-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
1,2,4-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 22:51	CC
Surr: 4-Bromofluorobenzene	89.5	65.1-125		%REC	276792	1	03/31/2019 22:51	CC
Surr: Dibromofluoromethane	96.1	77.7-123		%REC	276792	1	03/31/2019 22:51	CC
Surr: Toluene-d8	95.7	83.2-120		%REC	276792	1	03/31/2019 22:51	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.122		mg/Kg-dry	276766	1	04/01/2019 15:02	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Carbazole	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Chrysene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-26-10'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019 2:20:00 PM
Lab ID:	1903Q74-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Fluorene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Naphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Phenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 14:50	YH
Surr: 2,4,6-Tribromophenol	65.3	45.6-120		%REC	276711	1	04/01/2019 14:50	YH
Surr: 2-Fluorobiphenyl	64.7	51.4-120		%REC	276711	1	04/01/2019 14:50	YH
Surr: 2-Fluorophenol	64.2	40.9-120		%REC	276711	1	04/01/2019 14:50	YH
Surr: 4-Terphenyl-d14	72.1	52.2-129		%REC	276711	1	04/01/2019 14:50	YH
Surr: Nitrobenzene-d5	74	40-120		%REC	276711	1	04/01/2019 14:50	YH
Surr: Phenol-d5	67.7	45-120		%REC	276711	1	04/01/2019 14:50	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	26500	193		mg/Kg-dry	276570	20	04/01/2019 21:55	KT
Arsenic	BRL	72.3		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Barium	225	4.82		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Cadmium	BRL	0.48		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Chromium	47.0	9.64		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Cobalt	11.9	2.41		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Copper	37.2	0.96		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Lead	19.6	0.48		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Nickel	25.6	2.41		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Selenium	BRL	24.1		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Vanadium	93.7	2.41		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
Zinc	99.6	4.82		mg/Kg-dry	276570	10	03/29/2019 20:00	KT
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 10:15:00 AM
Lab ID:	1903Q74-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Acetone	BRL	0.17		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
2-Butanone	BRL	0.083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
1,1,1-Trichloroethane	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Benzene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
1,2-Dichloroethane	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Trichloroethene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Toluene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Tetrachloroethene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Ethylbenzene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
m,p-Xylene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
o-Xylene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Styrene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
1,3,5-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
1,2,4-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	276792	1	03/31/2019 23:17	CC
Surr: 4-Bromofluorobenzene	89.8	65.1-125		%REC	276792	1	03/31/2019 23:17	CC
Surr: Dibromofluoromethane	94.2	77.7-123		%REC	276792	1	03/31/2019 23:17	CC
Surr: Toluene-d8	96.5	83.2-120		%REC	276792	1	03/31/2019 23:17	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.120		mg/Kg-dry	276766	1	04/01/2019 15:05	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Carbazole	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Chrysene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 10:15:00 AM
Lab ID:	1903Q74-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Fluorene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Naphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Phenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 15:21	YH
Surr: 2,4,6-Tribromophenol	63.1	45.6-120		%REC	276711	1	04/01/2019 15:21	YH
Surr: 2-Fluorobiphenyl	63.3	51.4-120		%REC	276711	1	04/01/2019 15:21	YH
Surr: 2-Fluorophenol	63.8	40.9-120		%REC	276711	1	04/01/2019 15:21	YH
Surr: 4-Terphenyl-d14	68.2	52.2-129		%REC	276711	1	04/01/2019 15:21	YH
Surr: Nitrobenzene-d5	72.8	40-120		%REC	276711	1	04/01/2019 15:21	YH
Surr: Phenol-d5	68	45-120		%REC	276711	1	04/01/2019 15:21	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	11800	102		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Arsenic	BRL	76.3		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Barium	71.7	5.08		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Cadmium	BRL	0.51		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Chromium	31.2	10.2		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Cobalt	8.09	2.54		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Copper	35.2	1.02		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Lead	50.0	0.51		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Nickel	9.64	2.54		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Selenium	BRL	25.4		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Vanadium	63.3	2.54		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
Zinc	72.3	5.08		mg/Kg-dry	276570	10	03/29/2019 20:03	KT
PERCENT MOISTURE D2216								
Percent Moisture	18.6	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 10:25:00 AM
Lab ID:	1903Q74-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Acetone	BRL	0.20		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
2-Butanone	BRL	0.098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
1,1,1-Trichloroethane	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Benzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
1,2-Dichloroethane	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Trichloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Toluene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Tetrachloroethene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Ethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
m,p-Xylene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
o-Xylene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Styrene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
1,3,5-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
1,2,4-Trimethylbenzene	BRL	0.0098		mg/Kg-dry	276792	1	03/31/2019 23:43	CC
Surr: 4-Bromofluorobenzene	89.3	65.1-125		%REC	276792	1	03/31/2019 23:43	CC
Surr: Dibromofluoromethane	97.5	77.7-123		%REC	276792	1	03/31/2019 23:43	CC
Surr: Toluene-d8	97.3	83.2-120		%REC	276792	1	03/31/2019 23:43	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.145		mg/Kg-dry	276766	1	04/01/2019 15:09	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2,4,6-Trichlorophenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2,4-Dimethylphenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2,4-Dinitrophenol	BRL	2.5		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2-Chlorophenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2-Methylnaphthalene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
2-Methylphenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
3,4-Methylphenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
4-Chloro-3-methylphenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Acenaphthene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Acenaphthylene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Anthracene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Benz(a)anthracene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Benzo(a)pyrene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Benzo(b)fluoranthene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Benzo(k)fluoranthene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Carbazole	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Chrysene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-27-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 10:25:00 AM
Lab ID:	1903Q74-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Dibenzofuran	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Fluoranthene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Fluorene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Indeno(1,2,3-cd)pyrene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Naphthalene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Pentachlorophenol	BRL	2.5		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Phenanthrene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Phenol	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Pyrene	BRL	0.49		mg/Kg-dry	276711	1	04/01/2019 15:52	YH
Surr: 2,4,6-Tribromophenol	67.8	45.6-120		%REC	276711	1	04/01/2019 15:52	YH
Surr: 2-Fluorobiphenyl	68.3	51.4-120		%REC	276711	1	04/01/2019 15:52	YH
Surr: 2-Fluorophenol	67.3	40.9-120		%REC	276711	1	04/01/2019 15:52	YH
Surr: 4-Terphenyl-d14	70.3	52.2-129		%REC	276711	1	04/01/2019 15:52	YH
Surr: Nitrobenzene-d5	75.3	40-120		%REC	276711	1	04/01/2019 15:52	YH
Surr: Phenol-d5	69.9	45-120		%REC	276711	1	04/01/2019 15:52	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	30200	191		mg/Kg-dry	276570	20	04/01/2019 21:58	KT
Arsenic	BRL	71.6		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Barium	97.0	4.78		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Cadmium	BRL	0.48		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Chromium	58.7	9.55		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Cobalt	7.63	2.39		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Copper	36.9	0.96		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Lead	25.2	0.48		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Nickel	11.6	2.39		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Selenium	BRL	23.9		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Vanadium	110	2.39		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
Zinc	88.1	4.78		mg/Kg-dry	276570	10	03/29/2019 20:07	KT
PERCENT MOISTURE D2216								
Percent Moisture	32.9	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 11:15:00 AM
Lab ID:	1903Q74-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Acetone	BRL	0.31		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
2-Butanone	BRL	0.15		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
1,1,1-Trichloroethane	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Benzene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
1,2-Dichloroethane	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Trichloroethene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Toluene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Tetrachloroethene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Ethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
m,p-Xylene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
o-Xylene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Styrene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
1,3,5-Trimethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
1,2,4-Trimethylbenzene	BRL	0.015		mg/Kg-dry	276792	1	04/01/2019 00:09	CC
Surr: 4-Bromofluorobenzene	86.8	65.1-125		%REC	276792	1	04/01/2019 00:09	CC
Surr: Dibromofluoromethane	97.8	77.7-123		%REC	276792	1	04/01/2019 00:09	CC
Surr: Toluene-d8	96.5	83.2-120		%REC	276792	1	04/01/2019 00:09	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.130		mg/Kg-dry	276766	1	04/01/2019 15:12	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2,4,6-Trichlorophenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2,4-Dimethylphenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2-Chlorophenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2-Methylnaphthalene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
2-Methylphenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
3,4-Methylphenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
4-Chloro-3-methylphenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Acenaphthene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Acenaphthylene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Anthracene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Benz(a)anthracene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Benzo(a)pyrene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Benzo(b)fluoranthene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Benzo(k)fluoranthene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Carbazole	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Chrysene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 11:15:00 AM
Lab ID:	1903Q74-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Dibenzofuran	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Fluoranthene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Fluorene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Indeno(1,2,3-cd)pyrene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Naphthalene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Phenanthrene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Phenol	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Pyrene	BRL	0.45		mg/Kg-dry	276711	1	04/01/2019 16:21	YH
Surr: 2,4,6-Tribromophenol	72.9	45.6-120		%REC	276711	1	04/01/2019 16:21	YH
Surr: 2-Fluorobiphenyl	73.4	51.4-120		%REC	276711	1	04/01/2019 16:21	YH
Surr: 2-Fluorophenol	72.8	40.9-120		%REC	276711	1	04/01/2019 16:21	YH
Surr: 4-Terphenyl-d14	76.8	52.2-129		%REC	276711	1	04/01/2019 16:21	YH
Surr: Nitrobenzene-d5	82	40-120		%REC	276711	1	04/01/2019 16:21	YH
Surr: Phenol-d5	75.9	45-120		%REC	276711	1	04/01/2019 16:21	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	10400	115		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Arsenic	BRL	86.6		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Barium	63.5	5.77		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Cadmium	BRL	0.58		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Chromium	35.1	11.5		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Cobalt	6.38	2.89		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Copper	26.2	1.15		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Lead	45.1	0.58		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Nickel	8.79	2.89		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Selenium	BRL	28.9		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Vanadium	63.0	2.89		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
Zinc	54.8	5.77		mg/Kg-dry	276570	10	03/29/2019 20:10	KT
PERCENT MOISTURE D2216								
Percent Moisture	27.0	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 11:25:00 AM
Lab ID:	1903Q74-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Acetone	BRL	0.34		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
2-Butanone	BRL	0.17		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
1,1,1-Trichloroethane	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Benzene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
1,2-Dichloroethane	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Trichloroethene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Toluene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Tetrachloroethene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Ethylbenzene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
m,p-Xylene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
o-Xylene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Styrene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
1,3,5-Trimethylbenzene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
1,2,4-Trimethylbenzene	BRL	0.017		mg/Kg-dry	276792	1	04/01/2019 00:34	CC
Surr: 4-Bromofluorobenzene	84	65.1-125		%REC	276792	1	04/01/2019 00:34	CC
Surr: Dibromofluoromethane	98.5	77.7-123		%REC	276792	1	04/01/2019 00:34	CC
Surr: Toluene-d8	93.6	83.2-120		%REC	276792	1	04/01/2019 00:34	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.627	0.166		mg/Kg-dry	276766	1	04/01/2019 15:15	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2,4,6-Trichlorophenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2,4-Dimethylphenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2,4-Dinitrophenol	BRL	2.8		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2-Chlorophenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2-Methylnaphthalene	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
2-Methylphenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
3,4-Methylphenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
4-Chloro-3-methylphenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Acenaphthene	1.4	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Acenaphthylene	0.58	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Anthracene	1.9	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Benz(a)anthracene	2.7	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Benzo(a)pyrene	5.3	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Benzo(b)fluoranthene	8.8	5.5		mg/Kg-dry	276711	10	04/02/2019 19:18	YH
Benzo(k)fluoranthene	2.4	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Carbazole	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Chrysene	4.5	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-28-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 11:25:00 AM
Lab ID:	1903Q74-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	1.4	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Dibenzofuran	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Fluoranthene	4.9	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Fluorene	1.1	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Indeno(1,2,3-cd)pyrene	4.1	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Naphthalene	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Pentachlorophenol	BRL	2.8		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Phenanthrene	0.60	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Phenol	BRL	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Pyrene	4.4	0.55		mg/Kg-dry	276711	1	04/01/2019 17:46	YH
Surr: 2,4,6-Tribromophenol	65.8	45.6-120		%REC	276711	1	04/01/2019 17:46	YH
Surr: 2-Fluorobiphenyl	69.7	51.4-120		%REC	276711	1	04/01/2019 17:46	YH
Surr: 2-Fluorophenol	69.4	40.9-120		%REC	276711	1	04/01/2019 17:46	YH
Surr: 4-Terphenyl-d14	68.9	52.2-129		%REC	276711	1	04/01/2019 17:46	YH
Surr: Nitrobenzene-d5	77.1	40-120		%REC	276711	1	04/01/2019 17:46	YH
Surr: Phenol-d5	72.8	45-120		%REC	276711	1	04/01/2019 17:46	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	20500	111		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Arsenic	BRL	83.2		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Barium	122	5.55		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Cadmium	0.59	0.56		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Chromium	543	11.1		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Cobalt	9.61	2.77		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Copper	52.8	1.11		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Lead	127	0.56		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Nickel	18.2	2.77		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Selenium	BRL	27.7		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Vanadium	104	2.77		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
Zinc	1120	5.55		mg/Kg-dry	276570	10	03/29/2019 20:13	KT
PERCENT MOISTURE D2216								
Percent Moisture	39.5	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:15:00 PM
Lab ID:	1903Q74-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Acetone	BRL	0.18		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
2-Butanone	BRL	0.092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
1,1,1-Trichloroethane	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Benzene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
1,2-Dichloroethane	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Trichloroethene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Toluene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Tetrachloroethene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Ethylbenzene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
m,p-Xylene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
o-Xylene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Styrene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
1,3,5-Trimethylbenzene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
1,2,4-Trimethylbenzene	BRL	0.0092		mg/Kg-dry	276792	1	04/01/2019 01:01	CC
Surr: 4-Bromofluorobenzene	81.3	65.1-125		%REC	276792	1	04/01/2019 01:01	CC
Surr: Dibromofluoromethane	97.8	77.7-123		%REC	276792	1	04/01/2019 01:01	CC
Surr: Toluene-d8	95.1	83.2-120		%REC	276792	1	04/01/2019 01:01	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.119		mg/Kg-dry	276766	1	04/01/2019 15:19	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2,4,6-Trichlorophenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2,4-Dimethylphenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2,4-Dinitrophenol	BRL	2.0		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2-Chlorophenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
2-Methylphenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
3,4-Methylphenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
4-Chloro-3-methylphenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Acenaphthene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Acenaphthylene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Anthracene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Benz(a)anthracene	0.53	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Benzo(b)fluoranthene	0.99	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Carbazole	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Chrysene	0.80	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:15:00 PM
Lab ID:	1903Q74-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Dibenzofuran	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Fluoranthene	1.5	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Fluorene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Naphthalene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Pentachlorophenol	BRL	2.0		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Phenanthrene	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Phenol	BRL	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Pyrene	1.1	0.39		mg/Kg-dry	276711	1	04/01/2019 13:22	YH
Surr: 2,4,6-Tribromophenol	111	45.6-120		%REC	276711	1	04/01/2019 13:22	YH
Surr: 2-Fluorobiphenyl	83.4	51.4-120		%REC	276711	1	04/01/2019 13:22	YH
Surr: 2-Fluorophenol	62.6	40.9-120		%REC	276711	1	04/01/2019 13:22	YH
Surr: 4-Terphenyl-d14	82.4	52.2-129		%REC	276711	1	04/01/2019 13:22	YH
Surr: Nitrobenzene-d5	77.7	40-120		%REC	276711	1	04/01/2019 13:22	YH
Surr: Phenol-d5	63.7	45-120		%REC	276711	1	04/01/2019 13:22	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	13900	97.3		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Arsenic	BRL	73.0		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Barium	96.2	4.86		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Cadmium	BRL	0.49		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Chromium	32.3	9.73		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Cobalt	11.8	2.43		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Copper	45.7	0.97		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Lead	143	0.49		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Nickel	12.8	2.43		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Selenium	BRL	24.3		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Vanadium	76.3	2.43		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
Zinc	83.6	4.86		mg/Kg-dry	276570	10	03/29/2019 20:27	KT
PERCENT MOISTURE D2216								
Percent Moisture	16.2	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:30:00 PM
Lab ID:	1903Q74-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Acetone	BRL	0.19		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
2-Butanone	BRL	0.093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
1,1,1-Trichloroethane	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Benzene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
1,2-Dichloroethane	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Trichloroethene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Toluene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Tetrachloroethene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Ethylbenzene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
m,p-Xylene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
o-Xylene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Styrene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
1,3,5-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
1,2,4-Trimethylbenzene	BRL	0.0093		mg/Kg-dry	276792	1	04/01/2019 01:27	CC
Surr: 4-Bromofluorobenzene	86.4	65.1-125		%REC	276792	1	04/01/2019 01:27	CC
Surr: Dibromofluoromethane	97.8	77.7-123		%REC	276792	1	04/01/2019 01:27	CC
Surr: Toluene-d8	95.7	83.2-120		%REC	276792	1	04/01/2019 01:27	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.134		mg/Kg-dry	276766	1	04/01/2019 15:34	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Acenaphthene	0.93	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Benz(a)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Benzo(a)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Benzo(b)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Carbazole	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Chrysene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:30:00 PM
Lab ID:	1903Q74-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Fluoranthene	1.7	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Fluorene	1.3	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Naphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Phenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Pyrene	0.81	0.44		mg/Kg-dry	276711	1	04/01/2019 13:51	YH
Surr: 2,4,6-Tribromophenol	121	45.6-120	S	%REC	276711	1	04/01/2019 13:51	YH
Surr: 2-Fluorobiphenyl	86.2	51.4-120		%REC	276711	1	04/01/2019 13:51	YH
Surr: 2-Fluorophenol	65.3	40.9-120		%REC	276711	1	04/01/2019 13:51	YH
Surr: 4-Terphenyl-d14	87.4	52.2-129		%REC	276711	1	04/01/2019 13:51	YH
Surr: Nitrobenzene-d5	80.6	40-120		%REC	276711	1	04/01/2019 13:51	YH
Surr: Phenol-d5	67.6	45-120		%REC	276711	1	04/01/2019 13:51	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	16600	74.8		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Arsenic	BRL	56.1		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Barium	53.7	3.74		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Cadmium	BRL	0.37		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Chromium	110	7.48		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Cobalt	5.11	1.87		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Copper	39.1	0.75		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Lead	26.1	0.37		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Nickel	11.3	1.87		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Selenium	BRL	18.7		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Vanadium	55.9	1.87		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
Zinc	232	3.74		mg/Kg-dry	276570	10	03/29/2019 20:30	KT
PERCENT MOISTURE D2216								
Percent Moisture	25.7	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-7'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:40:00 PM
Lab ID:	1903Q74-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Acetone	BRL	0.16		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
2-Butanone	BRL	0.081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
1,1,1-Trichloroethane	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Benzene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
1,2-Dichloroethane	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Trichloroethene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Toluene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Tetrachloroethene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Ethylbenzene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
m,p-Xylene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
o-Xylene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Styrene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
1,3,5-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
1,2,4-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	276792	1	04/01/2019 01:53	CC
Surr: 4-Bromofluorobenzene	85.2	65.1-125		%REC	276792	1	04/01/2019 01:53	CC
Surr: Dibromofluoromethane	98.3	77.7-123		%REC	276792	1	04/01/2019 01:53	CC
Surr: Toluene-d8	91.4	83.2-120		%REC	276792	1	04/01/2019 01:53	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.120		mg/Kg-dry	276766	1	04/01/2019 15:37	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Acenaphthene	17	4.0		mg/Kg-dry	276711	10	04/02/2019 19:46	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Anthracene	6.2	4.0		mg/Kg-dry	276711	10	04/02/2019 19:46	YH
Benz(a)anthracene	4.1	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Benzo(a)pyrene	0.89	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Benzo(b)fluoranthene	2.1	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Carbazole	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Chrysene	4.0	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-29-7'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 12:40:00 PM
Lab ID:	1903Q74-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Dibenzofuran	3.7	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Fluoranthene	30	4.0		mg/Kg-dry	276711	10	04/02/2019 19:46	YH
Fluorene	20	4.0		mg/Kg-dry	276711	10	04/02/2019 19:46	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Naphthalene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Phenanthrene	6.1	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Phenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 14:20	YH
Pyrene	16	4.0		mg/Kg-dry	276711	10	04/02/2019 19:46	YH
Surr: 2,4,6-Tribromophenol	135	45.6-120	S	%REC	276711	1	04/01/2019 14:20	YH
Surr: 2-Fluorobiphenyl	93.4	51.4-120		%REC	276711	1	04/01/2019 14:20	YH
Surr: 2-Fluorophenol	72	40.9-120		%REC	276711	1	04/01/2019 14:20	YH
Surr: 4-Terphenyl-d14	91.4	52.2-129		%REC	276711	1	04/01/2019 14:20	YH
Surr: Nitrobenzene-d5	90.2	40-120		%REC	276711	1	04/01/2019 14:20	YH
Surr: Phenol-d5	72.6	45-120		%REC	276711	1	04/01/2019 14:20	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	6630	105		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Arsenic	BRL	78.8		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Barium	31.5	5.25		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Cadmium	BRL	0.52		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Chromium	20.1	10.5		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Cobalt	3.18	2.63		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Copper	13.1	1.05		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Lead	48.4	0.52		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Nickel	4.64	2.63		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Selenium	BRL	26.3		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Vanadium	20.8	2.63		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
Zinc	179	5.25		mg/Kg-dry	276570	10	03/29/2019 20:34	KT
PERCENT MOISTURE D2216								
Percent Moisture	17.8	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 1:10:00 PM
Lab ID:	1903Q74-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Acetone	BRL	0.17		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
2-Butanone	BRL	0.087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
1,1,1-Trichloroethane	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Benzene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
1,2-Dichloroethane	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Trichloroethene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Toluene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Tetrachloroethene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Ethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
m,p-Xylene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
o-Xylene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Styrene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
1,3,5-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
1,2,4-Trimethylbenzene	BRL	0.0087		mg/Kg-dry	276792	1	04/01/2019 10:30	AR
Surr: 4-Bromofluorobenzene	99.6	65.1-125		%REC	276792	1	04/01/2019 10:30	AR
Surr: Dibromofluoromethane	91.5	77.7-123		%REC	276792	1	04/01/2019 10:30	AR
Surr: Toluene-d8	99.1	83.2-120		%REC	276792	1	04/01/2019 10:30	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.125		mg/Kg-dry	276766	1	04/01/2019 15:41	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2,4,6-Trichlorophenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2,4-Dimethylphenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2-Chlorophenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2-Methylnaphthalene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
2-Methylphenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
3,4-Methylphenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
4-Chloro-3-methylphenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Acenaphthene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Acenaphthylene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Anthracene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Benz(a)anthracene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Benzo(a)pyrene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Benzo(b)fluoranthene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Benzo(k)fluoranthene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Carbazole	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Chrysene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 1:10:00 PM
Lab ID:	1903Q74-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Dibenzofuran	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Fluoranthene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Fluorene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Indeno(1,2,3-cd)pyrene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Naphthalene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Phenanthrene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Phenol	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Pyrene	BRL	0.43		mg/Kg-dry	276711	1	04/01/2019 15:40	YH
Surr: 2,4,6-Tribromophenol	116	45.6-120		%REC	276711	1	04/01/2019 15:40	YH
Surr: 2-Fluorobiphenyl	84.1	51.4-120		%REC	276711	1	04/01/2019 15:40	YH
Surr: 2-Fluorophenol	64.5	40.9-120		%REC	276711	1	04/01/2019 15:40	YH
Surr: 4-Terphenyl-d14	81.7	52.2-129		%REC	276711	1	04/01/2019 15:40	YH
Surr: Nitrobenzene-d5	78.5	40-120		%REC	276711	1	04/01/2019 15:40	YH
Surr: Phenol-d5	63.8	45-120		%REC	276711	1	04/01/2019 15:40	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	22200	105		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Arsenic	BRL	78.5		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Barium	61.6	5.23		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Cadmium	BRL	0.52		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Chromium	45.8	10.5		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Cobalt	5.28	2.62		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Copper	32.6	1.05		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Lead	110	0.52		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Nickel	10.1	2.62		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Selenium	BRL	26.2		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Vanadium	115	2.62		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
Zinc	45.5	5.23		mg/Kg-dry	276570	10	03/29/2019 20:37	KT
PERCENT MOISTURE D2216								
Percent Moisture	24.0	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30-8'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 1:20:00 PM
Lab ID:	1903Q74-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Acetone	BRL	0.22		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Benzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Toluene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Styrene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 10:56	AR
Surr: 4-Bromofluorobenzene	96.7	65.1-125		%REC	276792	1	04/01/2019 10:56	AR
Surr: Dibromofluoromethane	89.3	77.7-123		%REC	276792	1	04/01/2019 10:56	AR
Surr: Toluene-d8	96.9	83.2-120		%REC	276792	1	04/01/2019 10:56	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.127		mg/Kg-dry	276766	1	04/01/2019 15:44	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Acenaphthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benz(a)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(a)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(b)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Carbazole	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Chrysene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-30-8'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 1:20:00 PM
Lab ID:	1903Q74-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Fluorene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Naphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Phenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Surr: 2,4,6-Tribromophenol	130	45.6-120	S	%REC	276711	1	04/01/2019 16:08	YH
Surr: 2-Fluorobiphenyl	91.3	51.4-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: 2-Fluorophenol	68.9	40.9-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: 4-Terphenyl-d14	93.9	52.2-129		%REC	276711	1	04/01/2019 16:08	YH
Surr: Nitrobenzene-d5	86.1	40-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: Phenol-d5	69.4	45-120		%REC	276711	1	04/01/2019 16:08	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	22100	94.3		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Arsenic	BRL	70.8		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Barium	78.3	4.72		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Cadmium	BRL	0.47		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Chromium	35.7	9.43		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Cobalt	4.79	2.36		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Copper	26.7	0.94		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Lead	21.0	0.47		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Nickel	14.3	2.36		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Selenium	BRL	23.6		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Vanadium	73.4	2.36		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
Zinc	43.3	4.72		mg/Kg-dry	276570	10	03/29/2019 20:40	KT
PERCENT MOISTURE D2216								
Percent Moisture	24.6	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:00:00 PM
Lab ID:	1903Q74-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Acetone	BRL	0.23		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
2-Butanone	BRL	0.11		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
1,1,1-Trichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Benzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
1,2-Dichloroethane	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Trichloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Toluene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Tetrachloroethene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Ethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
m,p-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
o-Xylene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Styrene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
1,3,5-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
1,2,4-Trimethylbenzene	BRL	0.011		mg/Kg-dry	276792	1	04/01/2019 11:22	AR
Surr: 4-Bromofluorobenzene	97.6	65.1-125		%REC	276792	1	04/01/2019 11:22	AR
Surr: Dibromofluoromethane	90.1	77.7-123		%REC	276792	1	04/01/2019 11:22	AR
Surr: Toluene-d8	97.2	83.2-120		%REC	276792	1	04/01/2019 11:22	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.137		mg/Kg-dry	276766	1	04/01/2019 15:47	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Acenaphthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Benz(a)anthracene	0.77	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Benzo(a)pyrene	1.4	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Benzo(b)fluoranthene	3.2	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Carbazole	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Chrysene	1.3	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:00:00 PM
Lab ID:	1903Q74-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Fluoranthene	1.5	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Fluorene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Indeno(1,2,3-cd)pyrene	1.1	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Naphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Phenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Pyrene	1.6	0.44		mg/Kg-dry	276711	1	04/01/2019 16:36	YH
Surr: 2,4,6-Tribromophenol	109	45.6-120		%REC	276711	1	04/01/2019 16:36	YH
Surr: 2-Fluorobiphenyl	76	51.4-120		%REC	276711	1	04/01/2019 16:36	YH
Surr: 2-Fluorophenol	53.4	40.9-120		%REC	276711	1	04/01/2019 16:36	YH
Surr: 4-Terphenyl-d14	76.4	52.2-129		%REC	276711	1	04/01/2019 16:36	YH
Surr: Nitrobenzene-d5	69.5	40-120		%REC	276711	1	04/01/2019 16:36	YH
Surr: Phenol-d5	56.4	45-120		%REC	276711	1	04/01/2019 16:36	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	20900	133		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Arsenic	BRL	99.4		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Barium	90.2	6.63		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Cadmium	0.73	0.66		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Chromium	65.3	13.3		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Cobalt	25.8	3.31		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Copper	28.4	1.33		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Lead	33.4	0.66		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Nickel	13.0	3.31		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Selenium	BRL	33.1		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Vanadium	71.1	3.31		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
Zinc	293	6.63		mg/Kg-dry	276570	10	03/29/2019 20:44	KT
PERCENT MOISTURE D2216								
Percent Moisture	25.6	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:10:00 PM
Lab ID:	1903Q74-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Acetone	BRL	0.090		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
2-Butanone	BRL	0.045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
1,1,1-Trichloroethane	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Benzene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
1,2-Dichloroethane	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Trichloroethene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Toluene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Tetrachloroethene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Ethylbenzene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
m,p-Xylene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
o-Xylene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Styrene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
1,3,5-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
1,2,4-Trimethylbenzene	BRL	0.0045		mg/Kg-dry	276777	1	04/01/2019 14:59	AR
Surr: 4-Bromofluorobenzene	105	65.1-125		%REC	276777	1	04/01/2019 14:59	AR
Surr: Dibromofluoromethane	94.8	77.7-123		%REC	276777	1	04/01/2019 14:59	AR
Surr: Toluene-d8	96.7	83.2-120		%REC	276777	1	04/01/2019 14:59	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.126		mg/Kg-dry	276767	1	04/01/2019 13:26	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4,6-Trichlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4-Dimethylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Chlorophenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Methylnaphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
3,4-Methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
4-Chloro-3-methylphenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Acenaphthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Acenaphthylene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benz(a)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(b)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(k)fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Carbazole	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Chrysene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-31-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:10:00 PM
Lab ID:	1903Q74-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Dibenzofuran	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Fluoranthene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Fluorene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Naphthalene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Phenanthrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Phenol	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Pyrene	BRL	0.41		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Surr: 2,4,6-Tribromophenol	126	45.6-120	S	%REC	276711	1	04/01/2019 17:01	YH
Surr: 2-Fluorobiphenyl	86.1	51.4-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: 2-Fluorophenol	67.8	40.9-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: 4-Terphenyl-d14	88.5	52.2-129		%REC	276711	1	04/01/2019 17:01	YH
Surr: Nitrobenzene-d5	81.8	40-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: Phenol-d5	68.1	45-120		%REC	276711	1	04/01/2019 17:01	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	15300	123		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Arsenic	BRL	92.3		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Barium	52.2	6.16		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Cadmium	BRL	0.62		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Chromium	29.1	12.3		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Cobalt	3.75	3.08		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Copper	18.3	1.23		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Lead	12.5	0.62		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Nickel	6.66	3.08		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Selenium	BRL	30.8		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Vanadium	53.7	3.08		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
Zinc	21.4	6.16		mg/Kg-dry	276676	10	03/29/2019 21:07	KT
PERCENT MOISTURE D2216								
Percent Moisture	20.2	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:40:00 PM
Lab ID:	1903Q74-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Acetone	BRL	0.17		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
2-Butanone	BRL	0.083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
1,1,1-Trichloroethane	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Benzene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
1,2-Dichloroethane	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Trichloroethene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Toluene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Tetrachloroethene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Ethylbenzene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
m,p-Xylene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
o-Xylene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Styrene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
1,3,5-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
1,2,4-Trimethylbenzene	BRL	0.0083		mg/Kg-dry	276777	1	04/01/2019 11:40	CC
Surr: 4-Bromofluorobenzene	84.2	65.1-125		%REC	276777	1	04/01/2019 11:40	CC
Surr: Dibromofluoromethane	99.1	77.7-123		%REC	276777	1	04/01/2019 11:40	CC
Surr: Toluene-d8	97	83.2-120		%REC	276777	1	04/01/2019 11:40	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.140	0.125		mg/Kg-dry	276767	1	04/01/2019 13:16	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4,6-Trichlorophenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4-Dimethylphenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2,4-Dinitrophenol	BRL	2.2		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Chlorophenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Methylnaphthalene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
2-Methylphenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
3,4-Methylphenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
4-Chloro-3-methylphenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Acenaphthene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Acenaphthylene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Anthracene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benz(a)anthracene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(a)pyrene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(b)fluoranthene	0.43	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Benzo(k)fluoranthene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Carbazole	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Chrysene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:40:00 PM
Lab ID:	1903Q74-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Dibenzofuran	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Fluoranthene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Fluorene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Indeno(1,2,3-cd)pyrene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Naphthalene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Pentachlorophenol	BRL	2.2		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Phenanthrene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Phenol	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Pyrene	BRL	0.42		mg/Kg-dry	276711	1	04/01/2019 16:08	YH
Surr: 2,4,6-Tribromophenol	74.1	45.6-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: 2-Fluorobiphenyl	79.6	51.4-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: 2-Fluorophenol	85.9	40.9-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: 4-Terphenyl-d14	71.2	52.2-129		%REC	276711	1	04/01/2019 16:08	YH
Surr: Nitrobenzene-d5	75.9	40-120		%REC	276711	1	04/01/2019 16:08	YH
Surr: Phenol-d5	87.3	45-120		%REC	276711	1	04/01/2019 16:08	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	19600	87.7		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Arsenic	BRL	65.8		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Barium	102	4.38		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Cadmium	BRL	0.44		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Chromium	57.8	8.77		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Cobalt	16.7	2.19		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Copper	53.5	0.88		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Lead	48.2	0.44		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Nickel	19.5	2.19		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Selenium	BRL	21.9		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Vanadium	75.8	2.19		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
Zinc	133	4.38		mg/Kg-dry	276676	10	03/29/2019 21:24	KT
PERCENT MOISTURE D2216								
Percent Moisture	21.0	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:50:00 PM
Lab ID:	1903Q74-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Acetone	BRL	0.21		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
2-Butanone	BRL	0.10		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
1,1,1-Trichloroethane	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Benzene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
1,2-Dichloroethane	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Trichloroethene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Toluene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Tetrachloroethene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Ethylbenzene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
m,p-Xylene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
o-Xylene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Styrene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
1,3,5-Trimethylbenzene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
1,2,4-Trimethylbenzene	BRL	0.010		mg/Kg-dry	276777	1	04/01/2019 12:06	CC
Surr: 4-Bromofluorobenzene	76.5	65.1-125		%REC	276777	1	04/01/2019 12:06	CC
Surr: Dibromofluoromethane	102	77.7-123		%REC	276777	1	04/01/2019 12:06	CC
Surr: Toluene-d8	95.3	83.2-120		%REC	276777	1	04/01/2019 12:06	CC
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.135		mg/Kg-dry	276767	1	04/01/2019 13:29	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Acenaphthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Benz(a)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Benzo(a)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Benzo(b)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Carbazole	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Chrysene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-32-4'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 2:50:00 PM
Lab ID:	1903Q74-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Fluorene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Naphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Phenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 16:35	YH
Surr: 2,4,6-Tribromophenol	71.5	45.6-120		%REC	276711	1	04/01/2019 16:35	YH
Surr: 2-Fluorobiphenyl	78.9	51.4-120		%REC	276711	1	04/01/2019 16:35	YH
Surr: 2-Fluorophenol	87.6	40.9-120		%REC	276711	1	04/01/2019 16:35	YH
Surr: 4-Terphenyl-d14	70.3	52.2-129		%REC	276711	1	04/01/2019 16:35	YH
Surr: Nitrobenzene-d5	77	40-120		%REC	276711	1	04/01/2019 16:35	YH
Surr: Phenol-d5	86.4	45-120		%REC	276711	1	04/01/2019 16:35	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	8050	113		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Arsenic	BRL	84.5		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Barium	54.3	5.63		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Cadmium	BRL	0.56		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Chromium	16.7	11.3		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Cobalt	BRL	2.82		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Copper	8.63	1.13		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Lead	6.69	0.56		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Nickel	5.12	2.82		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Selenium	BRL	28.2		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Vanadium	19.4	2.82		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
Zinc	65.6	5.63		mg/Kg-dry	276676	10	03/29/2019 21:27	KT
PERCENT MOISTURE D2216								
Percent Moisture	25.3	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 3:45:00 PM
Lab ID:	1903Q74-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Acetone	BRL	0.16		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
2-Butanone	BRL	0.081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
1,1,1-Trichloroethane	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Benzene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
1,2-Dichloroethane	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Trichloroethene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Toluene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Tetrachloroethene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Ethylbenzene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
m,p-Xylene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
o-Xylene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Styrene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
1,3,5-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
1,2,4-Trimethylbenzene	BRL	0.0081		mg/Kg-dry	276777	1	04/01/2019 14:08	AR
Surr: 4-Bromofluorobenzene	97.7	65.1-125		%REC	276777	1	04/01/2019 14:08	AR
Surr: Dibromofluoromethane	86.7	77.7-123		%REC	276777	1	04/01/2019 14:08	AR
Surr: Toluene-d8	94.4	83.2-120		%REC	276777	1	04/01/2019 14:08	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.116		mg/Kg-dry	276767	1	04/01/2019 13:33	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4,6-Trichlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4-Dimethylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2,4-Dinitrophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Chlorophenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
2-Methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
3,4-Methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
4-Chloro-3-methylphenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Acenaphthene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Acenaphthylene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Anthracene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Carbazole	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Chrysene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33-1'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 3:45:00 PM
Lab ID:	1903Q74-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Dibenzofuran	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Fluoranthene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Fluorene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Naphthalene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Pentachlorophenol	BRL	2.1		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Phenanthrene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Phenol	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Pyrene	BRL	0.40		mg/Kg-dry	276711	1	04/01/2019 17:01	YH
Surr: 2,4,6-Tribromophenol	82	45.6-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: 2-Fluorobiphenyl	89.7	51.4-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: 2-Fluorophenol	97.2	40.9-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: 4-Terphenyl-d14	80.7	52.2-129		%REC	276711	1	04/01/2019 17:01	YH
Surr: Nitrobenzene-d5	86	40-120		%REC	276711	1	04/01/2019 17:01	YH
Surr: Phenol-d5	95.4	45-120		%REC	276711	1	04/01/2019 17:01	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	14800	80.8		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Arsenic	BRL	60.6		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Barium	118	4.04		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Cadmium	BRL	0.40		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Chromium	48.9	8.08		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Cobalt	12.5	2.02		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Copper	29.5	0.81		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Lead	116	0.40		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Nickel	9.94	2.02		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Selenium	BRL	20.2		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Vanadium	67.2	2.02		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
Zinc	59.9	4.04		mg/Kg-dry	276676	10	03/29/2019 21:30	KT
PERCENT MOISTURE D2216								
Percent Moisture	17.4	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 4:00:00 PM
Lab ID:	1903Q74-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5035)**				
1,1-Dichloroethene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Acetone	BRL	0.18		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
2-Butanone	BRL	0.091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
1,1,1-Trichloroethane	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Benzene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
1,2-Dichloroethane	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Trichloroethene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Toluene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Tetrachloroethene	0.023	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Ethylbenzene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
m,p-Xylene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
o-Xylene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Styrene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
1,3,5-Trimethylbenzene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
1,2,4-Trimethylbenzene	BRL	0.0091		mg/Kg-dry	276777	1	04/01/2019 14:33	AR
Surr: 4-Bromofluorobenzene	93.2	65.1-125		%REC	276777	1	04/01/2019 14:33	AR
Surr: Dibromofluoromethane	94.8	77.7-123		%REC	276777	1	04/01/2019 14:33	AR
Surr: Toluene-d8	93.8	83.2-120		%REC	276777	1	04/01/2019 14:33	AR
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.137		mg/Kg-dry	276767	1	04/01/2019 13:49	CD
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
2,3,4,6-Tetrachlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2,4,6-Trichlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2,4-Dimethylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2,4-Dinitrophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2-Chlorophenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2-Methylnaphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
2-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
3,4-Methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
4-Chloro-3-methylphenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Acenaphthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Acenaphthylene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Benz(a)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Benzo(a)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Benzo(b)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Benzo(k)fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Carbazole	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Chrysene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TMW-33-5'
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 4:00:00 PM
Lab ID:	1903Q74-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E				**(SW3550C)**				
Dibenz(a,h)anthracene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Dibenzofuran	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Fluoranthene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Fluorene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Naphthalene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Pentachlorophenol	BRL	2.3		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Phenanthrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Phenol	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Pyrene	BRL	0.44		mg/Kg-dry	276711	1	04/01/2019 17:26	YH
Surr: 2,4,6-Tribromophenol	67.9	45.6-120		%REC	276711	1	04/01/2019 17:26	YH
Surr: 2-Fluorobiphenyl	75.2	51.4-120		%REC	276711	1	04/01/2019 17:26	YH
Surr: 2-Fluorophenol	86.9	40.9-120		%REC	276711	1	04/01/2019 17:26	YH
Surr: 4-Terphenyl-d14	67.5	52.2-129		%REC	276711	1	04/01/2019 17:26	YH
Surr: Nitrobenzene-d5	71.4	40-120		%REC	276711	1	04/01/2019 17:26	YH
Surr: Phenol-d5	86.1	45-120		%REC	276711	1	04/01/2019 17:26	YH
Metals by ICP/MS SW6020B				**(SW3050B)**				
Aluminum	4680	91.9		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Arsenic	BRL	68.9		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Barium	30.3	4.59		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Cadmium	1.76	0.46		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Chromium	11.0	9.19		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Cobalt	3.57	2.30		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Copper	14.2	0.92		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Lead	5.54	0.46		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Nickel	5.23	2.30		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Selenium	BRL	23.0		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Vanadium	13.6	2.30		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
Zinc	20.0	4.59		mg/Kg-dry	276676	10	03/29/2019 21:44	KT
PERCENT MOISTURE D2216								
Percent Moisture	25.7	0		wt%	R394402	1	03/28/2019 13:30	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	EB-1
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/26/2019 4:30:00 PM
Lab ID:	1903Q74-026	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Acetone	BRL	50		ug/L	276785	1	03/30/2019 21:56	NP
2-Butanone	BRL	50		ug/L	276785	1	03/30/2019 21:56	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Benzene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
1,2-Dichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Trichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Toluene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Tetrachloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Ethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
m,p-Xylene	BRL	2.0		ug/L	276785	1	03/30/2019 21:56	NP
o-Xylene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Styrene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 21:56	NP
Surr: 4-Bromofluorobenzene	86.8	64-125		%REC	276785	1	03/30/2019 21:56	NP
Surr: Dibromofluoromethane	99.5	76.4-125		%REC	276785	1	03/30/2019 21:56	NP
Surr: Toluene-d8	100	78.3-116		%REC	276785	1	03/30/2019 21:56	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 1
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019
Lab ID:	1903Q74-027	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Acetone	BRL	50		ug/L	276785	1	03/30/2019 14:36	NP
2-Butanone	BRL	50		ug/L	276785	1	03/30/2019 14:36	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Benzene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
1,2-Dichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Trichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Toluene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Tetrachloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Ethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
m,p-Xylene	BRL	2.0		ug/L	276785	1	03/30/2019 14:36	NP
o-Xylene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Styrene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 14:36	NP
Surr: 4-Bromofluorobenzene	89.5	64-125		%REC	276785	1	03/30/2019 14:36	NP
Surr: Dibromofluoromethane	98.7	76.4-125		%REC	276785	1	03/30/2019 14:36	NP
Surr: Toluene-d8	98.9	78.3-116		%REC	276785	1	03/30/2019 14:36	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Apr-19

Client:	Envirorisk Consultants	**Client Sample ID:**	TRIP BLANK 2
Project Name:	WC Meredith (Phase 4)	**Collection Date:**	3/25/2019
Lab ID:	1903Q74-028	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
1,1-Dichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Acetone	BRL	50		ug/L	276785	1	03/30/2019 15:00	NP
2-Butanone	BRL	50		ug/L	276785	1	03/30/2019 15:00	NP
1,1,1-Trichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Benzene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
1,2-Dichloroethane	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Trichloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Toluene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Tetrachloroethene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Ethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
m,p-Xylene	BRL	2.0		ug/L	276785	1	03/30/2019 15:00	NP
o-Xylene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Styrene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
1,3,5-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	276785	1	03/30/2019 15:00	NP
Surr: 4-Bromofluorobenzene	87.9	64-125		%REC	276785	1	03/30/2019 15:00	NP
Surr: Dibromofluoromethane	99.1	76.4-125		%REC	276785	1	03/30/2019 15:00	NP
Surr: Toluene-d8	99.7	78.3-116		%REC	276785	1	03/30/2019 15:00	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Ioana Pacurar
Analytical Environmental Services
3080 Presidential Drive
Atlanta GA 30340

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Information:

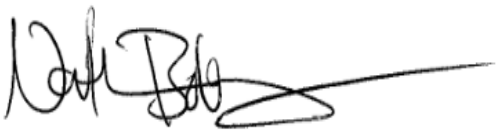
Pace Project #: 10468738
Sample Receipt Date: 03/28/2019
Client Project #: 1903Q74
Client Sub PO #: N/A
State Cert #: 959

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Nathan Boberg, your Pace Project Manager.

This report has been reviewed by:



April 11, 2019

Nathan Boberg, Project Manager
612-360-0728
(612) 607-6444 (fax)
nathan.boberg@pacelabs.com

Report Prepared Date:
April 11, 2019

Report of Laboratory Analysis

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The results relate only to the samples included in this report.

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DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Analytical Environmental Services, Inc. The sample was analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The reporting limits were set to correspond to the lowest calibration points and a nominal 10-gram sample amount, and the sensitivity was verified by signal-to-noise measurements. The quantitation limits, adjusted for sample extraction amount, may be somewhat higher or lower than the reporting limits provided in this report.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 60-109%. All of the labeled standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

In cases where the estimated detection limits (EDLs) were above the standard reporting limits, the EDLs were reported and flagged "A". Concentrations above the calibration range were flagged "E" and should be regarded as estimates.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of the target PCDDs and PCDFs at the reporting limits.

A laboratory spike sample was also prepared with the sample batch using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 103-119%. These results were within the target range for the method. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.

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Minneapolis, MN 55414

Tel: 612-607-1700
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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota - Pet	1240
Alabama	40770	Mississippi	MN00064
Alaska - DW	MN00064	Missouri - DW	10100
Alaska - UST	17-009	Montana	CERT0092
Arizona	AZ0014	Nebraska	NE-OS-18-06
Arkansas - DW	MN00064	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
CNMI Saipan	MP0003	New Jersey (NE	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina	27700
Connecticut	PH-0256	North Carolina -	27700
EPA Region 8+	via MN 027-053	North Carolina -	530
Florida (NELAP	E87605	North Dakota	R-036
Georgia	959	Ohio - DW	41244
Guam	17-001r	Ohio - VAP	CL101
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon - Primar	MN300001
Illinois	200011	Oregon - Secon	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky - DW	90062	South Dakota	NA
Kentucky - WW	90062	Tennessee	TN02818
Louisiana - DE	03086	Texas	T104704192
Louisiana - DW	MN00064	Utah (NELAP)	MN00064
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Massachusetts	M-MN064	West Virginia -	382
Michigan	9909	West Virginia -	9952C
Minnesota	027-053-137	Wisconsin	999407970
Minnesota - De	via MN 027-053	Wyoming - UST	2926.01

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

Report No....10468738_8290FC_DFR

Page 5 of 13

WO# : 10468738

10468738

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive Atlanta GA 30340- 3906
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: _____

Date: 3/27/19 Page 1 of 1

COMPANY:	ADDRESS:
AES, Inc.	3080 Presidential Drive Atlanta GA 30340
PHONE: 770-457-8177	FAX:
SAMPLED BY:	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8290 Dioxins/Furans	REMARKS	No # of Containers
						PRESERVATION (See codes)			
1	TMW-25-5'	3/25/19	12:55PM			S	✓	001	1
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Khirce Johnson	3-27-19 15:00	1: Jennifer Johnson Pace	3/28/19 9:55
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 1903Q74

PROJECT #: 1903Q74

SITE ADDRESS: GA

SEND REPORT TO: Ioana Pacurar - ipacurar@aesatlanta.com

INVOICE TO: (IF DIFFERENT FROM ABOVE) AES, Inc.

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 1

Turnaround Time Request

- ☐ Standard 5 Business Days
- ☐ 2 Business Day Rush
- ☐ Next Business Day Rush
- ☐ Same Day Rush (auth req.)
- ☑ Other 14 Days

STATE PROGRAM (if any): GA

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: ☐ I ☑ II ☐ III ☐ IV

SPECIAL INSTRUCTIONS/COMMENTS:

Run full list of 17 compounds.

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

☐ CLIENT ☐ FedEx ☐ UPS ☐ MAIL ☐ COURIER

☐ GREYHOUND ☐ OTHER_____

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED WITH STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) WW=Wastewater DW=Drinking Water O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

T=0.5

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 06Feb2019 Page 1 of 1
	Document No.: F-MN-L-213-rev.25	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt **Client Name:** AES **Project #:** WO#: 10468738

PM: NB3 Due Date: 04/17/19

CLIENT: AES GA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 4490 1483 4400

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☒ Yes ☐ No

Thermometer: ☐ G87A9155100842 ☒ G87A9170600254 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 0.5 °C **Average Corrected Temp (no temp blank only):** _____ °C **See Exceptions** ☐

Correction Factor: true **Cooler Temp Corrected w/temp blank:** 0.5 °C

USDA Regulated Soil: (☐ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** JJ 3/28/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☒ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☐ Yes	☒ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☐ Yes	☐ No		7.
Correct Containers Used?	☐ Yes	☐ No		8.
-Pace Containers Used?	☐ Yes	☐ No		
Containers Intact?	☐ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☐ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☐ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐
Matrix: ☐ Water ☐ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☐ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☐ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☐ N/A	Positive for Res. ☐ Yes Chlorine? ☐ No **See Exception** ☐
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☐ N/A	13. **See Exception** ☐
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased):_____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Nathan Boberg **Date:** 3/29/19

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: _____

USDA REGULATED SOIL CHECKLIST

To Be Completed by SR Staff:

WO: 10468738 Date: 3/28/19 Initials: JJ

Sample Origin (circle one): (DOMESTIC) QUARANTINED FOREIGN

(Note: soil samples from Hawaii, Guam, Puerto Rico and the US Virgin Islands are considered to be of a Foreign Source)

If Domestic, circle State of Origin: AL AR CA FL (GA) LA MS NC NM NY OK OR SC TN TX VA

(Includes: IFA, SOD, Golden Nematode, Karnal Bunt and Witchweed) List County: Henry County, GA

(USDA Permit/Compliance Agreement authorizes movement of samples from these domestic regulated zones)

If Quarantined, circle State of Origin: FL ID TX CA List County: _____

(Includes Fruit Fly, Giant African Snail and Pale Cyst Nematode)

(Movement is not authorized for Pale Cyst Nematode [ID or Giant African Snail [FL], remaining quarantines require additional paperwork)

If Foreign, list Country of Origin: _____

(Movement from some Canadian Providences is not allowed. Refer to CS-232 Regulated Soil Flow Chart)

REQUIREMENT	ACTION	COMPLETED
PPQ-530 Paperwork must be included for any samples from counties with a Fruit Fly Quarantine in TX. Refer to **MN-S063** through **MN-S065**	Scan PPQ-530 to the corresponding Project folder on the x drive. If PPQ-530 is not present, contact the Waste Coordinator and do not continue processing samples.	YES NO (N/A)
Samples from ID may not be moved from the quarantined region. Refer to **MN-S055**	If samples originated in a quarantined zone, contact the Waste Coordinator and do not continue processing samples.	YES NO (N/A)
Samples from Giant African Snail Quarantine in FL may not be moved from the quarantined region. Refer to **MN-S068**	If samples originated in a quarantined zone, contact the Waste Coordinator and do not continue processing samples.	YES NO (N/A)

REQUIREMENT	ACTION	COMPLETED
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	(YES) NO
Samples must be segregated and stored in designated bins, shelves and coolers.	Were samples placed in a designated cooler, containers and shelves?	(YES) NO
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? *If NO, ice and melt water can be disposed of by normal process (down the drain).*	YES (NO)
	If **YES**, were ice and melt water separated from the cooler and disposed of properly?	YES NO (N/A)
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). **Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.**	
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? *(Gloves and other lab supplies will be bagged and placed in the USDA Regulated satellite container or active drum).*	(YES) NO

Comments: _____

To Be Completed by PM and/or PC:

Sample Analysis to be conducted (circle all that apply): MN Subcontract Lab

Name of Subcontract Lab (s):

REQUIREMENT	ACTION	COMPLETED
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: J:\SHARE\PRJ_MGR\10_Client Services Department Documents\Regulated Soils Permits – if permission to ship letter is not there, contact the Waste Coordinator.	YES NO N/A
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? Do **NOT** ship samples until all necessary paperwork is compiled.	YES NO N/A

Comments:

Project Manager Signature: Nathan Boberg Date: 3/29/19

Pace Analytical Services, LLC
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Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interferencepresent

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDEInterference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = SeeDiscussion

REPORT OF LABORATORY ANALYSIS

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Appendix B

Sample Analysis Summary

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Sample Analysis Results

Client - Analytical Environmental Services

Client's Sample ID	TMW-25-5'		
Lab Sample ID	10468738001		
Filename	F190410B_08		
Injected By	SMT		
Total Amount Extracted	21.9 g	Matrix	Solid
% Moisture	54.0	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	03/25/2019 12:55
ICAL ID	F190112	Received	03/28/2019 09:55
CCal Filename(s)	F190410B_01 & F190410B_18	Extracted	04/04/2019 15:00
Method Blank ID	BLANK-69640	Analyzed	04/10/2019 17:49

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	5.7	-----	1.1	A	2,3,7,8-TCDF-13C	2.00	65
Total TCDF	140	-----	1.1		2,3,7,8-TCDD-13C	2.00	90
					1,2,3,7,8-PeCDF-13C	2.00	90
2,3,7,8-TCDD	3.6	-----	1.0	A	2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	85	-----	1.0		1,2,3,7,8-PeCDD-13C	2.00	109
					1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	22	-----	5.0		1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	73	-----	5.0		2,3,4,6,7,8-HxCDF-13C	2.00	72
Total PeCDF	1100	-----	5.0		1,2,3,7,8,9-HxCDF-13C	2.00	66
					1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	19	-----	5.0		1,2,3,6,7,8-HxCDD-13C	2.00	60
Total PeCDD	270	-----	5.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	61
					1,2,3,4,7,8,9-HpCDF-13C	2.00	64
1,2,3,4,7,8-HxCDF	430	-----	5.0		1,2,3,4,6,7,8-HpCDD-13C	2.00	70
1,2,3,6,7,8-HxCDF	350	-----	5.0		OCDD-13C	4.00	74
2,3,4,6,7,8-HxCDF	280	-----	5.0				
1,2,3,7,8,9-HxCDF	150	-----	5.0		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7900	-----	5.0	E	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	50	-----	5.0		2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	910	-----	5.0				
1,2,3,7,8,9-HxCDD	250	-----	5.0				
Total HxCDD	7200	-----	5.0	E			
1,2,3,4,6,7,8-HpCDF	66000	-----	5.0	E	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	410	-----	5.0		Equivalence: 1300 ng/Kg		
Total HpCDF	66000	-----	5.0	E	(Lower-bound - Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	13000	-----	5.0	E			
Total HpCDD	36000	-----	5.0	E			
OCDF	50000	-----	10	E			
OCDD	130000	-----	10	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
A = Reporting Limit based on signal to noise
E = Exceeds calibration range

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Blank Analysis Results

Lab Sample Name	DFBLKLJ		
Lab Sample ID	BLANK-69640	Matrix	Solid
Filename	F190410B_06	Dilution	NA
Total Amount Extracted	11.0 g	Extracted	04/04/2019 15:00
ICAL ID	F190112	Analyzed	04/10/2019 16:23
CCal Filename(s)	F190410B_01 & F190410B_18	Injected By	SMT

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	2.00	68
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	2.00	72
				1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	-----	1.0	2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	ND	-----	1.0	1,2,3,7,8-PeCDD-13C	2.00	85
				1,2,3,4,7,8-HxCDF-13C	2.00	67
1,2,3,7,8-PeCDF	ND	-----	5.0	1,2,3,6,7,8-HxCDF-13C	2.00	72
2,3,4,7,8-PeCDF	ND	-----	5.0	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDF-13C	2.00	65
				1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	-----	5.0	1,2,3,6,7,8-HxCDD-13C	2.00	70
Total PeCDD	ND	-----	5.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	71
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	ND	-----	5.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	ND	-----	5.0	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	ND	-----	5.0			
1,2,3,7,8,9-HxCDF	ND	-----	5.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	5.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.0	2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	ND	-----	5.0			
1,2,3,7,8,9-HxCDD	ND	-----	5.0			
Total HxCDD	ND	-----	5.0			
1,2,3,4,6,7,8-HpCDF	ND	-----	5.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	5.0	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	5.0	(Lower-bound - Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	5.0			
Total HpCDD	ND	-----	5.0			
OCDF	ND	-----	10			
OCDD	ND	-----	10			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

Lab Sample ID	LCS-69641		
Filename	F190410B_02	Matrix	Solid
Total Amount Extracted	10.2 g	Dilution	NA
ICAL ID	F190112	Extracted	04/04/2019 15:00
CCal Filename(s)	F190410B_01 & F190410B_18	Analyzed	04/10/2019 13:32
Method Blank ID	BLANK-69640	Injected By	SMT

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.22	109	2,3,7,8-TCDF-13C	2.0	79
Total TCDF				2,3,7,8-TCDD-13C	2.0	83
				1,2,3,7,8-PeCDF-13C	2.0	84
2,3,7,8-TCDD	0.20	0.23	116	2,3,4,7,8-PeCDF-13C	2.0	87
Total TCDD				1,2,3,7,8-PeCDD-13C	2.0	99
				1,2,3,4,7,8-HxCDF-13C	2.0	75
1,2,3,7,8-PeCDF	1.0	1.1	113	1,2,3,6,7,8-HxCDF-13C	2.0	82
2,3,4,7,8-PeCDF	1.0	1.2	115	2,3,4,6,7,8-HxCDF-13C	2.0	86
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.0	80
				1,2,3,4,7,8-HxCDD-13C	2.0	84
1,2,3,7,8-PeCDD	1.0	1.0	103	1,2,3,6,7,8-HxCDD-13C	2.0	84
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.0	82
				1,2,3,4,7,8,9-HpCDF-13C	2.0	90
1,2,3,4,7,8-HxCDF	1.0	1.2	115	1,2,3,4,6,7,8-HpCDD-13C	2.0	94
1,2,3,6,7,8-HxCDF	1.0	1.1	109	OCDD-13C	4.0	98
2,3,4,6,7,8-HxCDF	1.0	1.1	109			
1,2,3,7,8,9-HxCDF	1.0	1.1	108	1,2,3,4-TCDD-13C	2.0	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	1.1	113	2,3,7,8-TCDD-37Cl4	0.20	85
1,2,3,6,7,8-HxCDD	1.0	1.2	119			
1,2,3,7,8,9-HxCDD	1.0	1.1	108			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.0	1.2	116			
1,2,3,4,7,8,9-HpCDF	1.0	1.0	103			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.0	1.1	106			
Total HpCDD						
OCDF	2.0	2.2	109			
OCDD	2.0	2.3	115			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRORISK CONSULTANTS** AES Work Order Number: **1703M79**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.6 °C Cooler 2 Temperature 3.1 °C Cooler 3 Temperature 3.8 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 3/24/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		Hg was not requested, see narrative for further information
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 3/25/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		As applicable
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 3/25/17

Checklist 1/19/17 Rev 0.

Locked

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276570

Sample ID: **MB-276570** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394647**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276570** Analysis Date: **03/29/2019** Seq No: **8836567**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	5000									
Arsenic	BRL	625									
Barium	BRL	1250									
Cadmium	BRL	250									
Chromium	BRL	500									
Cobalt	BRL	375									
Copper	BRL	250									
Lead	BRL	250									
Nickel	BRL	500									
Selenium	BRL	1250									
Vanadium	BRL	500									
Zinc	BRL	1250									

Sample ID: **LCS-276570** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394647**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276570** Analysis Date: **03/29/2019** Seq No: **8836568**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	112800	5000	100000		113	80	120				
Arsenic	10590	625	10000		106	80	120				
Barium	9660	1250	10000		96.6	80	120				
Cadmium	10050	250	10000		101	80	120				
Chromium	10980	500	10000		110	80	120				
Cobalt	10730	375	10000		107	80	120				
Copper	11010	250	10000	117.1	109	80	120				
Lead	9441	250	10000		94.4	80	120				
Nickel	10490	500	10000		105	80	120				
Selenium	10290	1250	10000	142.9	101	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276570

Sample ID: **LCS-276570**	Client ID:		Units: **ug/Kg**	Prep Date: **03/29/2019**	Run No: **394647**
SampleType: **LCS**	TestCode: **Metals by ICP/MS SW6020B**		BatchID: **276570**	Analysis Date: **03/29/2019**	Seq No: **8836568**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vanadium	11010	500	10000		110	80	120				
Zinc	10570	1250	10000		106	80	120				

Sample ID: **1903Q74-001CMS**	Client ID: **TMW-22-1'**		Units: **mg/Kg-dry**	Prep Date: **03/29/2019**	Run No: **394647**
SampleType: **MS**	TestCode: **Metals by ICP/MS SW6020B**		BatchID: **276570**	Analysis Date: **03/29/2019**	Seq No: **8836570**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	19.92	1.69	13.56	4.971	110	75	125				
Barium	132.7	3.39	13.56	105.9	197	75	125				S
Cadmium	14.66	0.68	13.56	0.4593	105	75	125				
Chromium	82.83	1.36	13.56	57.46	187	75	125				S
Cobalt	28.50	1.02	13.56	12.17	120	75	125				
Copper	65.86	0.68	13.56	40.56	187	75	125				S
Lead	112.0	0.68	13.56	88.98	169	75	125				S
Nickel	31.02	1.36	13.56	14.36	123	75	125				
Selenium	16.15	3.39	13.56	1.785	106	75	125				
Zinc	263.5	3.39	13.56	217.5	339	75	125				S

Sample ID: **1903Q74-001CMS**	Client ID: **TMW-22-1'**		Units: **mg/Kg-dry**	Prep Date: **03/29/2019**	Run No: **394647**
SampleType: **MS**	TestCode: **Metals by ICP/MS SW6020B**		BatchID: **276570**	Analysis Date: **04/01/2019**	Seq No: **8839590**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	23560	13.6	135.6		17400	75	125				S
Vanadium	90.85	1.36	13.56		670	75	125				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276570

Sample ID: **1903Q74-001CMSD** Client ID: **TMW-22-1'** Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394647**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276570** Analysis Date: **03/29/2019** Seq No: **8836571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	18.93	1.70	13.56	4.971	103	75	125	19.92	5.09	20	
Barium	114.6	3.39	13.56	105.9	64.2	75	125	132.7	14.6	20	S
Cadmium	13.35	0.68	13.56	0.4593	95.0	75	125	14.66	9.39	20	
Chromium	104.7	1.36	13.56	57.46	348	75	125	82.83	23.3	20	SR
Cobalt	25.52	1.02	13.56	12.17	98.4	75	125	28.50	11.1	20	
Copper	54.36	0.68	13.56	40.56	102	75	125	65.86	19.1	20	
Lead	100.1	0.68	13.56	88.98	81.9	75	125	112.0	11.2	20	
Nickel	26.97	1.36	13.56	14.36	93.0	75	125	31.02	14.0	20	
Selenium	14.81	3.39	13.56	1.785	96.0	75	125	16.15	8.67	20	
Zinc	234.3	3.39	13.56	217.5	124	75	125	263.5	11.7	20	

Sample ID: **1903Q74-001CMSD** Client ID: **TMW-22-1'** Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394647**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276570** Analysis Date: **04/01/2019** Seq No: **8839591**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	20470	13.6	135.6		15100	75	125	23560	14.1	20	S
Vanadium	91.55	1.36	13.56		675	75	125	90.85	0.766	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276634

Sample ID: **MB-276634** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394574**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838093**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276634

Sample ID: **MB-276634** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394574**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838093**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	3513	0	3333		105	45.6	120				
Surr: 2-Fluorobiphenyl	1490	0	1667		89.4	51.4	120				
Surr: 2-Fluorophenol	2230	0	3333		66.9	40.9	120				
Surr: 4-Terphenyl-d14	1497	0	1667		89.8	52.2	129				
Surr: Nitrobenzene-d5	1356	0	1667		81.3	40	120				
Surr: Phenol-d5	2293	0	3333		68.8	45	120				

Sample ID: **LCS-276634** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394574**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838096**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2830	330	3333		84.9	58.4	120				
4-Chloro-3-methylphenol	3372	330	3333		101	62.7	120				
Acenaphthene	3083	330	3333		92.5	59.5	120				
Pentachlorophenol	2144	1700	3333		64.3	43.1	120				
Phenol	2739	330	3333		82.2	52	120				
Pyrene	3218	330	3333		96.5	63.2	126				
Surr: 2,4,6-Tribromophenol	4673	0	3333		140	45.6	120				S
Surr: 2-Fluorobiphenyl	1825	0	1667		109	51.4	120				
Surr: 2-Fluorophenol	2735	0	3333		82.1	40.9	120				
Surr: 4-Terphenyl-d14	1898	0	1667		114	52.2	129				
Surr: Nitrobenzene-d5	1706	0	1667		102	40	120				
Surr: Phenol-d5	2951	0	3333		88.5	45	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276634

Sample ID: **1903O96-006BMS** Client ID:
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394574**
BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838104**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.733	0.40	4.032		67.8	43.4	120				
4-Chloro-3-methylphenol	3.263	0.40	4.032		80.9	47.5	120				
Acenaphthene	2.927	0.40	4.032		72.6	47	120				
Pentachlorophenol	2.257	2.1	4.032		56.0	40.6	120				
Phenol	2.587	0.40	4.032		64.2	40.2	120				
Pyrene	2.998	0.40	4.032		74.4	45.6	120				
Surr: 2,4,6-Tribromophenol	4.377	0	4.032		109	45.6	120				
Surr: 2-Fluorobiphenyl	1.666	0	2.016		82.7	51.4	120				
Surr: 2-Fluorophenol	2.510	0	4.032		62.3	40.9	120				
Surr: 4-Terphenyl-d14	1.657	0	2.016		82.2	52.2	129				
Surr: Nitrobenzene-d5	1.543	0	2.016		76.5	40	120				
Surr: Phenol-d5	2.666	0	4.032		66.1	45	120				

Sample ID: **1903O96-006BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394574**
BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838108**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.551	0.40	4.032		63.3	43.4	120	2.733	6.88	29.9	
4-Chloro-3-methylphenol	3.086	0.40	4.032		76.5	47.5	120	3.263	5.58	27.7	
Acenaphthene	2.777	0.40	4.032		68.9	47	120	2.927	5.26	25.1	
Pentachlorophenol	BRL	2.1	4.032		50.1	40.6	120	2.257	0	30.9	
Phenol	2.446	0.40	4.032		60.7	40.2	120	2.587	5.61	29.2	
Pyrene	2.839	0.40	4.032		70.4	45.6	120	2.998	5.47	29.2	
Surr: 2,4,6-Tribromophenol	4.026	0	4.032		99.9	45.6	120	4.377	0	0	
Surr: 2-Fluorobiphenyl	1.552	0	2.016		77.0	51.4	120	1.666	0	0	
Surr: 2-Fluorophenol	2.299	0	4.032		57.0	40.9	120	2.510	0	0	
Surr: 4-Terphenyl-d14	1.569	0	2.016		77.8	52.2	129	1.657	0	0	
Surr: Nitrobenzene-d5	1.419	0	2.016		70.4	40	120	1.543	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276634

Sample ID: **1903O96-006BMSD** Client ID:
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394574**
BatchID: **276634** Analysis Date: **03/29/2019** Seq No: **8838108**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2.475	0	4.032		61.4	45	120	2.666	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276676

Sample ID: **MB-276676** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **MBLK** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836751**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	5000									
Arsenic	BRL	625									
Barium	BRL	1250									
Cadmium	BRL	250									
Chromium	BRL	500									
Cobalt	BRL	375									
Copper	BRL	250									
Lead	BRL	250									
Nickel	BRL	500									
Selenium	BRL	1250									
Vanadium	BRL	500									
Zinc	BRL	1250									

Sample ID: **LCS-276676** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836752**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	107800	5000	100000		108	80	120				
Arsenic	10780	625	10000		108	80	120				
Barium	9954	1250	10000		99.5	80	120				
Cadmium	10490	250	10000		105	80	120				
Chromium	10860	500	10000		109	80	120				
Cobalt	10950	375	10000		110	80	120				
Copper	11190	250	10000	151.0	110	80	120				
Lead	10210	250	10000	23.70	102	80	120				
Nickel	10880	500	10000	21.00	109	80	120				
Selenium	10240	1250	10000		102	80	120				
Vanadium	10850	500	10000		109	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276676

Sample ID: **LCS-276676** Client ID: Units: **ug/Kg** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **LCS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836752**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	11130	1250	10000	777.3	103	80	120				

Sample ID: **1903Q74-021CMS** Client ID: **TMW-31-4'** Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **MS** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836754**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	15450	12.3	123.0	15330	95.5	75	125				
Arsenic	13.04	1.54	12.30	1.308	95.3	75	125				
Barium	63.87	3.08	12.30	52.20	94.8	75	125				
Cadmium	12.15	0.62	12.30	0.04804	98.3	75	125				
Chromium	41.93	1.23	12.30	29.09	104	75	125				
Cobalt	17.16	0.92	12.30	3.746	109	75	125				
Copper	31.55	0.62	12.30	18.27	108	75	125				
Lead	24.45	0.62	12.30	12.54	96.8	75	125				
Nickel	19.68	1.23	12.30	6.661	106	75	125				
Selenium	12.60	3.08	12.30	0.8132	95.8	75	125				
Vanadium	66.78	1.23	12.30	53.73	106	75	125				
Zinc	35.55	3.08	12.30	21.42	115	75	125				

Sample ID: **1903Q74-021CMSD** Client ID: **TMW-31-4'** Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836755**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	16450	12.3	123.3	15330	908	75	125	15450	6.28	20	S
Arsenic	14.13	1.54	12.33	1.308	104	75	125	13.04	8.03	20	
Barium	66.15	3.08	12.33	52.20	113	75	125	63.87	3.50	20	
Cadmium	13.00	0.62	12.33	0.04804	105	75	125	12.15	6.74	20	
Chromium	44.78	1.23	12.33	29.09	127	75	125	41.93	6.56	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276676

Sample ID: **1903Q74-021CMSD** Client ID: **TMW-31-4'** Units: **mg/Kg-dry** Prep Date: **03/29/2019** Run No: **394648**
SampleType: **MSD** TestCode: **Metals by ICP/MS SW6020B** BatchID: **276676** Analysis Date: **03/29/2019** Seq No: **8836755**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	17.62	0.92	12.33	3.746	112	75	125	17.16	2.66	20	
Copper	33.32	0.62	12.33	18.27	122	75	125	31.55	5.45	20	
Lead	24.28	0.62	12.33	12.54	95.2	75	125	24.45	0.680	20	
Nickel	19.95	1.23	12.33	6.661	108	75	125	19.68	1.35	20	
Selenium	13.40	3.08	12.33	0.8132	102	75	125	12.60	6.13	20	
Vanadium	71.16	1.23	12.33	53.73	141	75	125	66.78	6.35	20	S
Zinc	36.02	3.08	12.33	21.42	118	75	125	35.55	1.32	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276711

Sample ID: **MB-276711** Client ID:
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E**
Units: **ug/Kg** Prep Date: **03/31/2019** Run No: **394821**
BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840719**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,3,4,6-Tetrachlorophenol	BRL	330									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
3,4-Methylphenol	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276711

Sample ID: **MB-276711** Client ID: Units: **ug/Kg** Prep Date: **03/31/2019** Run No: **394821**
SampleType: **MBLK** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840719**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2633	0	3333		79.0	45.6	120				
Surr: 2-Fluorobiphenyl	1396	0	1667		83.8	51.4	120				
Surr: 2-Fluorophenol	2838	0	3333		85.2	40.9	120				
Surr: 4-Terphenyl-d14	1469	0	1667		88.1	52.2	129				
Surr: Nitrobenzene-d5	1577	0	1667		94.6	40	120				
Surr: Phenol-d5	2994	0	3333		89.8	45	120				

Sample ID: **LCS-276711** Client ID: Units: **ug/Kg** Prep Date: **03/31/2019** Run No: **394821**
SampleType: **LCS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840720**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2788	330	3333		83.6	58.4	120				
4-Chloro-3-methylphenol	3033	330	3333		91.0	62.7	120				
Acenaphthene	2584	330	3333		77.5	59.5	120				
Pentachlorophenol	BRL	1700	3333		46.5	43.1	120				
Phenol	2707	330	3333		81.2	52	120				
Pyrene	3074	330	3333		92.2	63.2	126				
Surr: 2,4,6-Tribromophenol	2783	0	3333		83.5	45.6	120				
Surr: 2-Fluorobiphenyl	1382	0	1667		82.9	51.4	120				
Surr: 2-Fluorophenol	2680	0	3333		80.4	40.9	120				
Surr: 4-Terphenyl-d14	1488	0	1667		89.3	52.2	129				
Surr: Nitrobenzene-d5	1612	0	1667		96.7	40	120				
Surr: Phenol-d5	2969	0	3333		89.1	45	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276711

Sample ID: **1903Q74-009BMS** Client ID: **TMW-26-1'** Units: **mg/Kg-dry** Prep Date: **03/31/2019** Run No: **394821**
SampleType: **MS** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.479	0.52	5.209		66.8	43.4	120				
4-Chloro-3-methylphenol	3.864	0.52	5.209		74.2	47.5	120				
Acenaphthene	3.191	0.52	5.209		61.3	47	120				
Pentachlorophenol	BRL	2.7	5.209		32.7	40.6	120				S
Phenol	3.450	0.52	5.209		66.2	40.2	120				
Pyrene	5.217	0.52	5.209	2.030	61.2	45.6	120				
Surr: 2,4,6-Tribromophenol	3.658	0	5.209		70.2	45.6	120				
Surr: 2-Fluorobiphenyl	1.708	0	2.605		65.6	51.4	120				
Surr: 2-Fluorophenol	3.512	0	5.209		67.4	40.9	120				
Surr: 4-Terphenyl-d14	1.852	0	2.605		71.1	52.2	129				
Surr: Nitrobenzene-d5	2.019	0	2.605		77.5	40	120				
Surr: Phenol-d5	3.825	0	5.209		73.4	45	120				

Sample ID: **1903Q74-009BMSD** Client ID: **TMW-26-1'** Units: **mg/Kg-dry** Prep Date: **03/31/2019** Run No: **394821**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840723**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	3.960	0.52	5.209		76.0	43.4	120	3.479	12.9	29.9	
4-Chloro-3-methylphenol	4.210	0.52	5.209		80.8	47.5	120	3.864	8.56	27.7	
Acenaphthene	3.501	0.52	5.209		67.2	47	120	3.191	9.25	25.1	
Pentachlorophenol	BRL	2.7	5.209		35.0	40.6	120	1.704	0	30.9	S
Phenol	3.844	0.52	5.209		73.8	40.2	120	3.450	10.8	29.2	
Pyrene	5.881	0.52	5.209	2.030	73.9	45.6	120	5.217	12.0	29.2	
Surr: 2,4,6-Tribromophenol	3.725	0	5.209		71.5	45.6	120	3.658	0	0	
Surr: 2-Fluorobiphenyl	1.853	0	2.605		71.2	51.4	120	1.708	0	0	
Surr: 2-Fluorophenol	3.795	0	5.209		72.9	40.9	120	3.512	0	0	
Surr: 4-Terphenyl-d14	1.945	0	2.605		74.7	52.2	129	1.852	0	0	
Surr: Nitrobenzene-d5	2.175	0	2.605		83.5	40	120	2.019	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276711

Sample ID: **1903Q74-009BMSD** Client ID: **TMW-26-1'** Units: **mg/Kg-dry** Prep Date: **03/31/2019** Run No: **394821**
SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **276711** Analysis Date: **04/01/2019** Seq No: **8840723**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	4.105	0	5.209		78.8	45	120	3.825	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276766

Sample ID: **MB-276766**	Client ID:			Units: **mg/Kg**	Prep Date: **04/01/2019**	Run No: **394715**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276766**	Analysis Date: **04/01/2019**	Seq No: **8837961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-276766**	Client ID:			Units: **mg/Kg**	Prep Date: **04/01/2019**	Run No: **394715**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276766**	Analysis Date: **04/01/2019**	Seq No: **8837962**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3772	0.100	0.4000		94.3	80	120				

Sample ID: **1903Q74-001CMS**	Client ID: **TMW-22-1'**			Units: **mg/Kg-dry**	Prep Date: **04/01/2019**	Run No: **394715**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276766**	Analysis Date: **04/01/2019**	Seq No: **8837964**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.6702	0.141	0.5646	0.09979	101	80	120				

Sample ID: **1903Q74-001CMSD**	Client ID: **TMW-22-1'**			Units: **mg/Kg-dry**	Prep Date: **04/01/2019**	Run No: **394715**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276766**	Analysis Date: **04/01/2019**	Seq No: **8837965**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.6445	0.137	0.5498	0.09979	99.1	80	120	0.6702	3.91	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276767

Sample ID: **MB-276767**	Client ID:			Units: **mg/Kg**	Prep Date: **04/01/2019**	Run No: **394714**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276767**	Analysis Date: **04/01/2019**	Seq No: **8837938**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-276767**	Client ID:			Units: **mg/Kg**	Prep Date: **04/01/2019**	Run No: **394714**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276767**	Analysis Date: **04/01/2019**	Seq No: **8837939**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3719	0.100	0.4000		93.0	80	120				

Sample ID: **1903Q74-022CMS**	Client ID: **TMW-32-1'**			Units: **mg/Kg-dry**	Prep Date: **04/01/2019**	Run No: **394714**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276767**	Analysis Date: **04/01/2019**	Seq No: **8837941**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.6777	0.129	0.5144	0.1400	105	80	120				

Sample ID: **1903Q74-022CMSD**	Client ID: **TMW-32-1'**			Units: **mg/Kg-dry**	Prep Date: **04/01/2019**	Run No: **394714**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **276767**	Analysis Date: **04/01/2019**	Seq No: **8837942**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.7101	0.122	0.4896	0.1400	116	80	120	0.6777	4.67	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276777

Sample ID: **MB-276777**	Client ID:		Units: **ug/Kg**	Prep Date: **03/30/2019**	Run No: **394613**
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276777**	Analysis Date: **03/30/2019**	Seq No: **8835943**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	44.01	0	50.00		88.0	65.1	125				
Surr: Dibromofluoromethane	52.14	0	50.00		104	77.7	123				
Surr: Toluene-d8	47.60	0	50.00		95.2	83.2	120				

Sample ID: **LCS-276777**	Client ID:		Units: **ug/Kg**	Prep Date: **03/30/2019**	Run No: **394613**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276777**	Analysis Date: **03/30/2019**	Seq No: **8836129**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.71	5.0	50.00		89.4	67.6	140				
Benzene	45.31	5.0	50.00		90.6	71.3	130				
Toluene	46.29	5.0	50.00		92.6	70.4	127				
Trichloroethene	45.77	5.0	50.00		91.5	68.6	138				
Surr: 4-Bromofluorobenzene	48.67	0	50.00		97.3	65.1	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276777

Sample ID: **LCS-276777**	Client ID:			Units: **ug/Kg**	Prep Date: **03/30/2019**	Run No: **394613**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**			BatchID: **276777**	Analysis Date: **03/30/2019**	Seq No: **8836129**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	50.54	0	50.00		101	77.7	123				
Surr: Toluene-d8	50.80	0	50.00		102	83.2	120				

Sample ID: **1903P04-003AMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/30/2019**	Run No: **394613**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**			BatchID: **276777**	Analysis Date: **03/30/2019**	Seq No: **8836147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.06428	0.0077	0.0769		83.5	61.8	140				
Benzene	0.06868	0.0077	0.0769		89.3	69	131				
Toluene	0.07116	0.0077	0.0769		92.5	65.9	133				
Trichloroethene	0.06706	0.0077	0.0769		87.2	65.9	135				
Surr: 4-Bromofluorobenzene	0.07319	0	0.0769		95.1	65.1	125				
Surr: Dibromofluoromethane	0.07967	0	0.0769		104	77.7	123				
Surr: Toluene-d8	0.08088	0	0.0769		105	83.2	120				

Sample ID: **1903P04-003AMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/30/2019**	Run No: **394613**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**			BatchID: **276777**	Analysis Date: **03/30/2019**	Seq No: **8836148**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05988	0.0077	0.0769		77.8	61.8	140	0.06428	7.09	18.5	
Benzene	0.06254	0.0077	0.0769		81.3	69	131	0.06868	9.36	20	
Toluene	0.06550	0.0077	0.0769		85.1	65.9	133	0.07116	8.29	20	
Trichloroethene	0.06288	0.0077	0.0769		81.7	65.9	135	0.06706	6.44	20	
Surr: 4-Bromofluorobenzene	0.07354	0	0.0769		95.6	65.1	125	0.07319	0	0	
Surr: Dibromofluoromethane	0.07771	0	0.0769		101	77.7	123	0.07967	0	0	
Surr: Toluene-d8	0.08039	0	0.0769		104	83.2	120	0.08088	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276785

Sample ID: **MB-276785** Client ID: Units: **ug/L** Prep Date: **03/30/2019** Run No: **394642**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **276785** Analysis Date: **03/30/2019** Seq No: **8836336**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	50									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	45.20	0	50.00		90.4	64	125				
Surr: Dibromofluoromethane	50.14	0	50.00		100	76.4	125				
Surr: Toluene-d8	50.47	0	50.00		101	78.3	116				

Sample ID: **LCS-276785** Client ID: Units: **ug/L** Prep Date: **03/30/2019** Run No: **394642**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **276785** Analysis Date: **03/30/2019** Seq No: **8836335**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.33	5.0	50.00		111	69.2	141				
Benzene	56.73	5.0	50.00		113	72.3	126				
Toluene	55.82	5.0	50.00		112	70.5	128				
Trichloroethene	58.11	5.0	50.00		116	70.3	133				
Surr: 4-Bromofluorobenzene	45.61	0	50.00		91.2	64	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276785

Sample ID: **LCS-276785**	Client ID:		Units: **ug/L**	Prep Date: **03/30/2019**	Run No: **394642**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276785**	Analysis Date: **03/30/2019**	Seq No: **8836335**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.45	0	50.00		103	76.4	125				
Surr: Toluene-d8	50.28	0	50.00		101	78.3	116				

Sample ID: **1903S58-001AMS**	Client ID:		Units: **ug/L**	Prep Date: **03/30/2019**	Run No: **394665**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276785**	Analysis Date: **04/01/2019**	Seq No: **8838588**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	26.41	5.0	20.00		132	63.8	146				
Benzene	24.07	5.0	20.00		120	70.2	137				
Toluene	23.34	5.0	20.00		117	67	141				
Trichloroethene	23.79	5.0	20.00		119	69.3	141				
Surr: 4-Bromofluorobenzene	46.84	0	50.00		93.7	64	125				
Surr: Dibromofluoromethane	51.88	0	50.00		104	76.4	125				
Surr: Toluene-d8	51.20	0	50.00		102	78.3	116				

Sample ID: **1903S58-001AMSD**	Client ID:		Units: **ug/L**	Prep Date: **03/30/2019**	Run No: **394665**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276785**	Analysis Date: **04/01/2019**	Seq No: **8838589**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	25.12	5.0	20.00		126	63.8	146	26.41	5.01	20.8	
Benzene	23.05	5.0	20.00		115	70.2	137	24.07	4.33	20	
Toluene	22.19	5.0	20.00		111	67	141	23.34	5.05	20	
Trichloroethene	22.64	5.0	20.00		113	69.3	141	23.79	4.95	17.9	
Surr: 4-Bromofluorobenzene	44.67	0	50.00		89.3	64	125	46.84	0	0	
Surr: Dibromofluoromethane	52.42	0	50.00		105	76.4	125	51.88	0	0	
Surr: Toluene-d8	50.82	0	50.00		102	78.3	116	51.20	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276792

Sample ID: **MB-276792** Client ID: Units: **ug/Kg** Prep Date: **03/31/2019** Run No: **394614**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **276792** Analysis Date: **03/31/2019** Seq No: **8836243**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
2-Butanone	BRL	50									
Acetone	BRL	100									
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
Trichloroethene	BRL	5.0									
Surr: 4-Bromofluorobenzene	43.39	0	50.00		86.8	65.1	125				
Surr: Dibromofluoromethane	50.11	0	50.00		100	77.7	123				
Surr: Toluene-d8	49.05	0	50.00		98.1	83.2	120				

Sample ID: **LCS-276792** Client ID: Units: **ug/Kg** Prep Date: **03/31/2019** Run No: **394614**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **276792** Analysis Date: **03/31/2019** Seq No: **8836425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.15	5.0	50.00		92.3	67.6	140				
Benzene	46.55	5.0	50.00		93.1	71.3	130				
Toluene	48.72	5.0	50.00		97.4	70.4	127				
Trichloroethene	45.79	5.0	50.00		91.6	68.6	138				
Surr: 4-Bromofluorobenzene	48.57	0	50.00		97.1	65.1	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Envirorisk Consultants
Project Name: WC Meredith (Phase 4)
Workorder: 1903Q74

ANALYTICAL QC SUMMARY REPORT

BatchID: 276792

Sample ID: **LCS-276792**	Client ID:		Units: **ug/Kg**	Prep Date: **03/31/2019**	Run No: **394614**
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276792**	Analysis Date: **03/31/2019**	Seq No: **8836425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	51.53	0	50.00		103	77.7	123				
Surr: Toluene-d8	51.53	0	50.00		103	83.2	120				

Sample ID: **1903Q74-013AMS**	Client ID: **TMW-28-1'**		Units: **mg/Kg-dry**	Prep Date: **03/31/2019**	Run No: **394838**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276792**	Analysis Date: **04/03/2019**	Seq No: **8841904**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05085	0.0066	0.0657		77.4	61.8	140				
Benzene	0.05106	0.0066	0.0657		77.7	69	131				
Toluene	0.05027	0.0066	0.0657		76.5	65.9	133				
Trichloroethene	0.05002	0.0066	0.0657		76.1	65.9	135				
Surr: 4-Bromofluorobenzene	0.05954	0	0.0657		90.6	65.1	125				
Surr: Dibromofluoromethane	0.06737	0	0.0657		102	77.7	123				
Surr: Toluene-d8	0.06618	0	0.0657		101	83.2	120				

Sample ID: **1903Q74-013AMSD**	Client ID: **TMW-28-1'**		Units: **mg/Kg-dry**	Prep Date: **03/31/2019**	Run No: **394838**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260D**		BatchID: **276792**	Analysis Date: **04/03/2019**	Seq No: **8841913**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04771	0.0066	0.0659		72.4	61.8	140	0.05085	6.38	18.5	
Benzene	0.04747	0.0066	0.0659		72.1	69	131	0.05106	7.29	20	
Toluene	0.04515	0.0066	0.0659		68.6	65.9	133	0.05027	10.7	20	
Trichloroethene	0.04514	0.0066	0.0659		68.5	65.9	135	0.05002	10.3	20	
Surr: 4-Bromofluorobenzene	0.05860	0	0.0659		89.0	65.1	125	0.05954	0	0	
Surr: Dibromofluoromethane	0.06799	0	0.0659		103	77.7	123	0.06737	0	0	
Surr: Toluene-d8	0.06641	0	0.0659		101	83.2	120	0.06618	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

Envirorisk Consultants, Inc

P.O. Box 945

Grayson, GA 30017

Attention: **Mr. Ken Summerour**

Report Number: **AZG0858**

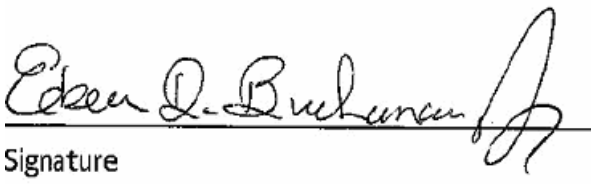
August 05, 2016

Project: WC Meridith

Project #:ER-437

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:



Signature

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Pace Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).
All test results relate only to the samples analyzed.

PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWMU10-3-12	AZG0858-01	Soil	07/26/16 10:00	07/28/16 16:30
SWMU10-3-20	AZG0858-02	Soil	07/26/16 10:10	07/28/16 16:30
SWMU10-4-16	AZG0858-03	Soil	07/26/16 10:50	07/28/16 16:30
SWMU10-4-20	AZG0858-04	Soil	07/26/16 10:55	07/28/16 16:30
SWMU10-1-20	AZG0858-05	Soil	07/26/16 11:30	07/28/16 16:30
SWMU10-2-8	AZG0858-06	Soil	07/26/16 12:10	07/28/16 16:30
SWMU10-2-20	AZG0858-07	Soil	07/26/16 12:20	07/28/16 16:30
SWMU10-1A-20	AZG0858-08	Soil	07/26/16 14:15	07/28/16 16:30
SWMU10-1B-12	AZG0858-09	Soil	07/26/16 14:50	07/28/16 16:30
SWMU10-1B-20	AZG0858-10	Soil	07/26/16 15:00	07/28/16 16:30
Trip Blank	AZG0858-11	Water	07/26/16 00:00	07/28/16 16:30

PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
(770) 734-4200 FAX (770) 734-4201

Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Case Narrative

Volatiles by EPA 8260
Where QI-02 qualified, internal standard recoveries for the qualified analytes were outside control limits biased low due to matrix interference with recoveries of 49%. There were no associated target analytes with this internal standard.

PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Peachtree Corners, GA 30092
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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-3-12
Date/Time Sampled: 7/26/2016 10:00:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-01
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	50.4	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	5.95	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Barium	76.6	1.98	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Cadmium	ND	1.98	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Chromium	27.8	1.98	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Cobalt	7.28	3.97	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Copper	9.90	3.97	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Lead	58.9	4.96	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Nickel	ND	3.97	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Selenium	ND	7.93	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Vanadium	90.5	3.97	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Zinc	28.4	3.97	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:54	6080031	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	240	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Benzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
1,2-Dichloroethane	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
1,1-Dichloroethene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Ethylbenzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	240	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Styrene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Tetrachloroethene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Toluene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
1,1,1-Trichloroethane	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Trichloroethene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
m+p-Xylene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
o-Xylene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Xylenes, total	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:19	6080058	GCN
Surrogate: Dibromofluoromethane	*88 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:19*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*88 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:19*	*6080058*	
Surrogate: Toluene-d8	*96 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:19*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*105 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:19*	*6080058*	

PACE ANALYTICAL SERVICES, INC.

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-3-12
Date/Time Sampled: 7/26/2016 10:00:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-01
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Acenaphthene	940	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Acenaphthylene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Benzo(a)anthracene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Benzo(a)pyrene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Benzo(b)fluoranthene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Benzo(k)fluoranthene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Carbazole	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
4-Chloro-3-methylphenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2-Chlorophenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Chrysene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Dibenzo(a,h)anthracene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Dibenzofuran	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2,4-Dimethylphenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2,4-Dinitrophenol	ND	3300	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Fluoranthene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Fluorene	770	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2-Methylnaphthalene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2-Methylphenol (o-cresol)	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Naphthalene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Pentachlorophenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Phenanthrene	1800	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Phenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Pyrene	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2,4,6-Trichlorophenol	ND	650	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	1300	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:23	6070705	JRS
Surrogate: 2-Fluorophenol	*50 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:23*	*6070705*	
Surrogate: Phenol-d6	*58 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:23*	*6070705*	
Surrogate: Nitrobenzene-d5	*47 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:23*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*53 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:23*	*6070705*	
Surrogate: p-Terphenyl-dl4	*74 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:23*	*6070705*	

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P.O. Box 945
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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-3-20
Date/Time Sampled: 7/26/2016 10:10:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-02
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	46.2	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	6.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Barium	186	2.17	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Cadmium	ND	2.17	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Chromium	43.4	2.17	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Cobalt	10.6	4.33	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Copper	13.8	4.33	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Lead	87.0	5.42	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Nickel	6.68	4.33	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Selenium	ND	8.67	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Vanadium	127	4.33	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Zinc	125	4.33	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 12:57	6080031	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	250	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Benzene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
1,2-Dichloroethane	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
1,1-Dichloroethene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Ethylbenzene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	250	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Styrene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Tetrachloroethene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Toluene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
1,1,1-Trichloroethane	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Trichloroethene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
1,2,4-Trimethylbenzene	ND	25	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
1,3,5-Trimethylbenzene	ND	25	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
m+p-Xylene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
o-Xylene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Xylenes, total	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 14:49	6080058	GCN
Surrogate: Dibromofluoromethane	*91 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:49*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*90 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:49*	*6080058*	
Surrogate: Toluene-d8	*99 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:49*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 14:49*	*6080058*	

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Envirorisk Consultants, Inc
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Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-3-20
Date/Time Sampled: 7/26/2016 10:10:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-02
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Acenaphthene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Acenaphthylene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Benzo(a)anthracene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Benzo(a)pyrene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Benzo(b)fluoranthene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Benzo(k)fluoranthene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Carbazole	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
4-Chloro-3-methylphenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2-Chlorophenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Chrysene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Dibenzo(a,h)anthracene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Dibenzofuran	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2,4-Dimethylphenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2,4-Dinitrophenol	ND	3700	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Fluoranthene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Fluorene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2-Methylnaphthalene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2-Methylphenol (o-cresol)	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Naphthalene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Pentachlorophenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Phenanthrene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Phenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Pyrene	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2,4,6-Trichlorophenol	ND	710	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	1400	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 22:46	6070705	JRS
Surrogate: 2-Fluorophenol	*41 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	
Surrogate: Phenol-d6	*51 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	
Surrogate: Nitrobenzene-d5	*37 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*44 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*71 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	
Surrogate: p-Terphenyl-dl4	*81 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 22:46*	*6070705*	

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August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-4-16
Date/Time Sampled: 7/26/2016 10:50:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-03
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	78.9	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.80	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Barium	40.6	1.27	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Cadmium	4.10	1.27	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Chromium	38.5	1.27	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Cobalt	12.1	2.53	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Copper	21.2	2.53	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Lead	57.6	3.17	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Nickel	9.57	2.53	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Selenium	ND	5.07	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Vanadium	80.5	2.53	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Zinc	24.6	2.53	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:01	6080031	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Benzene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
1,2-Dichloroethane	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
1,1-Dichloroethene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Ethylbenzene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Styrene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Tetrachloroethene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Toluene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
1,1,1-Trichloroethane	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Trichloroethene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
1,2,4-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
1,3,5-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
m+p-Xylene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
o-Xylene	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Xylenes, total	ND	5.7	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:19	6080058	GCN
Surrogate: Dibromofluoromethane	*89 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:19*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*88 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:19*	*6080058*	
Surrogate: Toluene-d8	*100 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:19*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*110 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:19*	*6080058*	

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-4-16
Date/Time Sampled: 7/26/2016 10:50:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-03
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Carbazole	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Phenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	840	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:10	6070705	JRS
Surrogate: 2-Fluorophenol	*61 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	
Surrogate: Phenol-d6	*70 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	
Surrogate: Nitrobenzene-d5	*59 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*64 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*82 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	
Surrogate: p-Terphenyl-dl4	*97 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:10*	*6070705*	

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P.O. Box 945
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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-4-20
Date/Time Sampled: 7/26/2016 10:55:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-04
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	80.1	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.74	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Barium	141	1.25	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Cadmium	4.43	1.25	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Chromium	45.3	1.25	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Cobalt	16.3	2.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Copper	24.5	2.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Lead	20.9	3.12	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Nickel	20.5	2.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Selenium	ND	4.99	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Vanadium	82.8	2.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Zinc	71.1	2.50	mg/kg dry	EPA 6010C		1	8/02/16 13:25	8/03/16 13:22	6080031	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	120	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Benzene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
1,2-Dichloroethane	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
1,1-Dichloroethene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Ethylbenzene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	120	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Styrene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Tetrachloroethene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Toluene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
1,1,1-Trichloroethane	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Trichloroethene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
1,2,4-Trimethylbenzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
1,3,5-Trimethylbenzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
m+p-Xylene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
o-Xylene	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Xylenes, total	ND	5.9	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 15:49	6080058	GCN
Surrogate: Dibromofluoromethane	*88 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:49*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*89 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:49*	*6080058*	
Surrogate: Toluene-d8	*101 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:49*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*109 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 15:49*	*6080058*	

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Envirorisk Consultants, Inc
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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-4-20
Date/Time Sampled: 7/26/2016 10:55:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-04
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Carbazole	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Phenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	820	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:33	6070705	JRS
Surrogate: 2-Fluorophenol	*67 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	
Surrogate: Phenol-d6	*76 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	
Surrogate: Nitrobenzene-d5	*64 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*66 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*83 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	
Surrogate: p-Terphenyl-dl4	*97 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:33*	*6070705*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1-20
Date/Time Sampled: 7/26/2016 11:30:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-05
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	78.0	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.85	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Barium	59.1	1.28	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Cadmium	4.16	1.28	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Chromium	49.9	1.28	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Cobalt	8.61	2.56	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Copper	35.9	2.56	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Lead	20.7	3.21	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Nickel	13.3	2.56	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Selenium	ND	5.13	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Vanadium	101	2.56	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Zinc	55.0	2.56	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:26	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Benzene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
1,2-Dichloroethane	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
1,1-Dichloroethene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Ethylbenzene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Styrene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Tetrachloroethene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Toluene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
1,1,1-Trichloroethane	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Trichloroethene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
1,2,4-Trimethylbenzene	ND	10	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
1,3,5-Trimethylbenzene	ND	10	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
m+p-Xylene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
o-Xylene	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Xylenes, total	ND	5.0	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:18	6080058	GCN
Surrogate: Dibromofluoromethane	*89 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:18*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*92 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:18*	*6080058*	
Surrogate: Toluene-d8	*100 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:18*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:18*	*6080058*	

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1-20
Date/Time Sampled: 7/26/2016 11:30:00AM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-05
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Carbazole	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Phenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	840	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/30/16 23:57	6070705	JRS
Surrogate: 2-Fluorophenol	*75 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	
Surrogate: Phenol-d6	*85 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	
Surrogate: Nitrobenzene-d5	*68 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*70 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*88 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	
Surrogate: p-Terphenyl-dl4	*109 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/30/16 23:57*	*6070705*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-2-8
Date/Time Sampled: 7/26/2016 12:10:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-06
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.6	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.63	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Barium	135	1.21	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Cadmium	4.11	1.21	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Chromium	40.9	1.21	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Cobalt	22.6	2.42	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Copper	45.5	2.42	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Lead	45.3	3.02	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Nickel	26.7	2.42	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Selenium	ND	4.84	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Vanadium	83.6	2.42	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Zinc	123	2.42	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:50	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	120	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Benzene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
1,2-Dichloroethane	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
1,1-Dichloroethene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Ethylbenzene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	120	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Styrene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Tetrachloroethene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Toluene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
1,1,1-Trichloroethane	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Trichloroethene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
1,2,4-Trimethylbenzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
1,3,5-Trimethylbenzene	ND	12	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
m+p-Xylene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
o-Xylene	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Xylenes, total	ND	6.2	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 16:48	6080058	GCN
Surrogate: Dibromofluoromethane	*90 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:48*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*90 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:48*	*6080058*	
Surrogate: Toluene-d8	*99 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:48*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 16:48*	*6080058*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-2-8
Date/Time Sampled: 7/26/2016 12:10:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-06
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Acenaphthene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Acenaphthylene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Benzo(a)anthracene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Benzo(a)pyrene	5400	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Benzo(b)fluoranthene	8800	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Benzo(k)fluoranthene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Carbazole	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
4-Chloro-3-methylphenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2-Chlorophenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Chrysene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Dibenzo(a,h)anthracene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Dibenzofuran	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2,4-Dimethylphenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2,4-Dinitrophenol	ND	20000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Fluoranthene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Fluorene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2-Methylnaphthalene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2-Methylphenol (o-cresol)	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Naphthalene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Pentachlorophenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Phenanthrene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Phenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Pyrene	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2,4,6-Trichlorophenol	ND	4000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	8000	ug/kg dry	EPA 8270D		10	7/30/16 12:45	7/31/16 1:31	6070705	JRS
Surrogate: 2-Fluorophenol	*64 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	
Surrogate: Phenol-d6	*82 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	
Surrogate: Nitrobenzene-d5	*71 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*85 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*79 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	
Surrogate: p-Terphenyl-dl4	*119 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:31*	*6070705*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-2-20
Date/Time Sampled: 7/26/2016 12:20:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-07
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	83.1	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.61	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Barium	112	1.20	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Cadmium	3.42	1.20	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Chromium	52.5	1.20	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Cobalt	8.12	2.41	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Copper	64.8	2.41	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Lead	110	3.01	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Nickel	12.9	2.41	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Selenium	ND	4.81	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Vanadium	69.3	2.41	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Zinc	173	2.41	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:54	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Benzene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
1,2-Dichloroethane	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
1,1-Dichloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Ethylbenzene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Styrene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Tetrachloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Toluene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
1,1,1-Trichloroethane	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Trichloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
1,2,4-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
1,3,5-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
m+p-Xylene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
o-Xylene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Xylenes, total	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:18	6080058	GCN
Surrogate: Dibromofluoromethane	*90 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:18*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:18*	*6080058*	
Surrogate: Toluene-d8	*99 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:18*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*111 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:18*	*6080058*	

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-2-20
Date/Time Sampled: 7/26/2016 12:20:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-07
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Acenaphthene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Acenaphthylene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Benzo(a)anthracene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Benzo(a)pyrene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Benzo(b)fluoranthene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Benzo(k)fluoranthene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Carbazole	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
4-Chloro-3-methylphenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2-Chlorophenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Chrysene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Dibenzo(a,h)anthracene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Dibenzofuran	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2,4-Dimethylphenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2,4-Dinitrophenol	ND	20000	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Fluoranthene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Fluorene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2-Methylnaphthalene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2-Methylphenol (o-cresol)	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Naphthalene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Pentachlorophenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Phenanthrene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Phenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Pyrene	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2,4,6-Trichlorophenol	ND	3900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	7900	ug/kg dry	EPA 8270D	R-01	10	7/30/16 12:45	7/31/16 1:55	6070705	JRS
Surrogate: 2-Fluorophenol	*34 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	
Surrogate: Phenol-d6	*54 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	
Surrogate: Nitrobenzene-d5	*48 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*58 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*22 %*	*30-120*		*EPA 8270D*	*S-04*		*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	
Surrogate: p-Terphenyl-dl4	*78 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:55*	*6070705*	

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Envirorisk Consultants, Inc
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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1A-20
Date/Time Sampled: 7/26/2016 2:15:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-08
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	80.1	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.75	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Barium	86.7	1.25	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Cadmium	1.93	1.25	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Chromium	49.4	1.25	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Cobalt	3.31	2.50	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Copper	18.9	2.50	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Lead	17.8	3.12	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Nickel	8.36	2.50	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Selenium	ND	5.00	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Vanadium	64.9	2.50	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Zinc	38.8	2.50	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 12:57	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Benzene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
1,2-Dichloroethane	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
1,1-Dichloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Ethylbenzene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	110	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Styrene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Tetrachloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Toluene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
1,1,1-Trichloroethane	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Trichloroethene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
1,2,4-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
1,3,5-Trimethylbenzene	ND	11	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
m+p-Xylene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
o-Xylene	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Xylenes, total	ND	5.3	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 17:48	6080058	GCN
Surrogate: Dibromofluoromethane	*89 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:48*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*91 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:48*	*6080058*	
Surrogate: Toluene-d8	*100 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:48*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*108 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 17:48*	*6080058*	

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Envirorisk Consultants, Inc
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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1A-20
Date/Time Sampled: 7/26/2016 2:15:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-08
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Carbazole	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Phenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	820	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:21	6070705	JRS
Surrogate: 2-Fluorophenol	*58 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	
Surrogate: Phenol-d6	*67 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	
Surrogate: Nitrobenzene-d5	*55 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*57 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*75 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	
Surrogate: p-Terphenyl-dl4	*95 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:21*	*6070705*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1B-12
Date/Time Sampled: 7/26/2016 2:50:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-09
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	84.6	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.55	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Barium	138	1.18	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Cadmium	5.77	1.18	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Chromium	74.7	1.18	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Cobalt	25.5	2.36	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Copper	54.5	2.36	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Lead	28.0	2.95	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Nickel	28.2	2.36	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Selenium	ND	4.73	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Vanadium	140	2.36	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Zinc	91.9	2.36	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:01	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	140	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Benzene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
1,2-Dichloroethane	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
1,1-Dichloroethene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Ethylbenzene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	140	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Styrene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Tetrachloroethene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Toluene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
1,1,1-Trichloroethane	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Trichloroethene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
1,2,4-Trimethylbenzene	ND	14	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
1,3,5-Trimethylbenzene	ND	14	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
m+p-Xylene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
o-Xylene	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Xylenes, total	ND	7.1	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:18	6080058	GCN
Surrogate: Dibromofluoromethane	*89 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:18*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*91 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:18*	*6080058*	
Surrogate: Toluene-d8	*100 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:18*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*111 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:18*	*6080058*	

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1B-12
Date/Time Sampled: 7/26/2016 2:50:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-09
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	430	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Acenaphthene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Acenaphthylene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Benzo(a)anthracene	700	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Benzo(a)pyrene	690	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Benzo(b)fluoranthene	740	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Benzo(k)fluoranthene	430	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Carbazole	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
4-Chloro-3-methylphenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2-Chlorophenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Chrysene	670	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Dibenzo(a,h)anthracene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Dibenzofuran	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2,4-Dimethylphenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Fluoranthene	1600	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Fluorene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2-Methylnaphthalene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2-Methylphenol (o-cresol)	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Naphthalene	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Pentachlorophenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Phenanthrene	1700	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Phenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Pyrene	1400	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2,4,6-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	770	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 0:44	6070705	JRS
Surrogate: 2-Fluorophenol	*59 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	
Surrogate: Phenol-d6	*71 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	
Surrogate: Nitrobenzene-d5	*61 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*65 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*72 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	
Surrogate: p-Terphenyl-dl4	*90 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 0:44*	*6070705*	

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1B-20
Date/Time Sampled: 7/26/2016 3:00:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-10
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	78.7	0.04	% by Weight	SOP Moisture		1	7/29/16 8:50	7/29/16 8:50	6070660	JPT
Metals, Total										
Arsenic	ND	3.81	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Barium	19.2	1.27	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Cadmium	6.00	1.27	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Chromium	67.8	1.27	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Cobalt	3.42	2.54	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Copper	32.4	2.54	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Lead	15.3	3.18	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Nickel	6.45	2.54	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Selenium	ND	5.09	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Vanadium	145	2.54	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Zinc	15.0	2.54	mg/kg dry	EPA 6010C		1	8/03/16 15:55	8/04/16 13:05	6080068	FBS
Volatile Organic Compounds by EPA 8260										
Acetone	ND	130	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Benzene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
1,2-Dichloroethane	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
1,1-Dichloroethene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Ethylbenzene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	130	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Styrene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Tetrachloroethene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Toluene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
1,1,1-Trichloroethane	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Trichloroethene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
1,2,4-Trimethylbenzene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
1,3,5-Trimethylbenzene	ND	13	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
m+p-Xylene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
o-Xylene	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Xylenes, total	ND	6.4	ug/kg dry	EPA 8260B		1	8/02/16 13:30	8/02/16 18:48	6080058	GCN
Surrogate: Dibromofluoromethane	*90 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:48*	*6080058*	
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*70-131*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:48*	*6080058*	
Surrogate: Toluene-d8	*100 %*	*79-120*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:48*	*6080058*	
Surrogate: 4-Bromofluorobenzene	*108 %*	*80-121*		*EPA 8260B*			*8/02/16 13:30*	*8/2/16 18:48*	*6080058*	

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: SWMU10-1B-20
Date/Time Sampled: 7/26/2016 3:00:00PM
Matrix: Soil

Project: WC Meridith
Lab Number ID: AZG0858-10
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Carbazole	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Phenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	830	ug/kg dry	EPA 8270D		1	7/30/16 12:45	7/31/16 1:08	6070705	JRS
Surrogate: 2-Fluorophenol	*60 %*	*21-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	
Surrogate: Phenol-d6	*69 %*	*19-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	
Surrogate: Nitrobenzene-d5	*55 %*	*13-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	
Surrogate: 2-Fluorobiphenyl	*54 %*	*17-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	
Surrogate: 2,4,6-Tribromophenol	*74 %*	*30-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	
Surrogate: p-Terphenyl-dl4	*93 %*	*41-120*		*EPA 8270D*			*7/30/16 12:45*	*7/31/16 1:08*	*6070705*	

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858
Client ID: Trip Blank
Date/Time Sampled: 7/26/2016 12:00:00AM
Matrix: Water

Project: WC Meridith
Lab Number ID: AZG0858-11
Date/Time Received: 7/28/2016 4:30:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Benzene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Styrene	ND	5.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Toluene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Trichloroethene	ND	2.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	8/01/16 15:00	8/01/16 17:15	6080022	GCN
Surrogate: Dibromofluoromethane	*84 %*	*80-120*		*EPA 8260B*			*8/01/16 15:00*	*8/1/16 17:15*	*6080022*	
Surrogate: 1,2-Dichloroethane-d4	*81 %*	*78-120*		*EPA 8260B*			*8/01/16 15:00*	*8/1/16 17:15*	*6080022*	
Surrogate: Toluene-d8	*96 %*	*80-120*		*EPA 8260B*			*8/01/16 15:00*	*8/1/16 17:15*	*6080022*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*80-120*		*EPA 8260B*			*8/01/16 15:00*	*8/1/16 17:15*	*6080022*	

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6070660 - % Solids										
Duplicate (6070660-DUP1)		**Source: AZG0676-02**			Prepared & Analyzed: 07/29/16					
% Solids	27.8	0.04	% by Weight		27.1			3	10	
Duplicate (6070660-DUP2)		**Source: AZG0852-03**			Prepared & Analyzed: 07/29/16					
% Solids	83.2	0.04	% by Weight		84.2			1	10	

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August 05, 2016

Report No.: AZG0858

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080031 - EPA 3050B										
Blank (6080031-BLK1)					Prepared: 08/02/16 Analyzed: 08/03/16					
Arsenic	ND	3.00	mg/kg wet							
Barium	ND	1.00	mg/kg wet							
Cadmium	ND	1.00	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Cobalt	ND	2.00	mg/kg wet							
Copper	ND	2.00	mg/kg wet							
Lead	ND	2.50	mg/kg wet							
Nickel	ND	2.00	mg/kg wet							
Selenium	ND	4.00	mg/kg wet							
Vanadium	ND	2.00	mg/kg wet							
Zinc	ND	2.00	mg/kg wet							
LCS (6080031-BS1)					Prepared: 08/02/16 Analyzed: 08/03/16					
Arsenic	94.7	3.00	mg/kg wet	100.00		95	80-120			
Barium	96.5	1.00	mg/kg wet	100.00		97	80-120			
Cadmium	94.0	1.00	mg/kg wet	100.00		94	80-120			
Chromium	97.6	1.00	mg/kg wet	100.00		98	80-120			
Cobalt	95.2	4.00	mg/kg wet	100.00		95	80-120			
Copper	94.4	2.00	mg/kg wet	100.00		94	80-120			
Lead	93.8	2.50	mg/kg wet	100.00		94	80-120			
Nickel	95.7	2.00	mg/kg wet	100.00		96	80-120			
Selenium	94.1	4.00	mg/kg wet	100.00		94	80-120			
Vanadium	96.9	2.00	mg/kg wet	100.00		97	80-120			
Zinc	94.7	2.00	mg/kg wet	100.00		95	80-120			
Matrix Spike (6080031-MS1)	**Source: AZG0850-04**				Prepared: 08/02/16 Analyzed: 08/03/16					
Arsenic	107	3.39	mg/kg dry	112.88	3.01	92	75-125			
Barium	207	1.13	mg/kg dry	112.88	102	94	75-125			
Cadmium	102	1.13	mg/kg dry	112.88	1.28	89	75-125			
Chromium	122	1.13	mg/kg dry	112.88	13.5	96	75-125			
Cobalt	107	4.52	mg/kg dry	112.88	5.45	90	75-125			
Copper	120	2.26	mg/kg dry	112.88	11.7	96	75-125			
Lead	107	2.82	mg/kg dry	112.88	7.70	88	75-125			
Nickel	109	2.26	mg/kg dry	112.88	6.76	91	75-125			
Selenium	106	4.52	mg/kg dry	112.88	ND	94	75-125			
Vanadium	136	2.26	mg/kg dry	112.88	28.0	96	75-125			
Zinc	152	2.26	mg/kg dry	112.88	47.0	93	75-125			

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August 05, 2016

Report No.: AZG0858

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080031 - EPA 3050B										
Matrix Spike Dup (6080031-MSD1)	**Source: AZG0850-04**				Prepared: 08/02/16 Analyzed: 08/03/16					
Arsenic	103	3.39	mg/kg dry	112.88	3.01	88	75-125	4	20	
Barium	208	1.13	mg/kg dry	112.88	102	94	75-125	0.1	20	
Cadmium	100	1.13	mg/kg dry	112.88	1.28	88	75-125	1	20	
Chromium	120	1.13	mg/kg dry	112.88	13.5	94	75-125	2	20	
Cobalt	106	4.52	mg/kg dry	112.88	5.45	89	75-125	1	20	
Copper	120	2.26	mg/kg dry	112.88	11.7	95	75-125	0.4	20	
Lead	108	2.82	mg/kg dry	112.88	7.70	89	75-125	0.5	20	
Nickel	108	2.26	mg/kg dry	112.88	6.76	89	75-125	1	20	
Selenium	105	4.52	mg/kg dry	112.88	ND	93	75-125	0.6	20	
Vanadium	134	2.26	mg/kg dry	112.88	28.0	94	75-125	1	20	
Zinc	148	2.26	mg/kg dry	112.88	47.0	90	75-125	2	20	
Post Spike (6080031-PS1)	**Source: AZG0850-04**				Prepared: 08/02/16 Analyzed: 08/03/16					
Arsenic	0.98		mg/L	1.0000	0.03	96	80-120			
Barium	2.02		mg/L	1.0000	0.90	112	80-120			
Cadmium	0.92		mg/L	1.0000	0.01	91	80-120			
Chromium	1.09		mg/L	1.0000	0.12	97	80-120			
Cobalt	0.98		mg/L	1.0000	0.05	93	80-120			
Copper	1.08		mg/L	1.0000	0.10	98	80-120			
Lead	0.98		mg/L	1.0000	0.07	91	80-120			
Nickel	0.99		mg/L	1.0000	0.06	93	80-120			
Selenium	0.98		mg/L	1.0000	0.0001	98	80-120			
Vanadium	1.24		mg/L	1.0000	0.25	99	80-120			
Zinc	1.34		mg/L	1.0000	0.42	92	80-120			
Batch 6080068 - EPA 3050B										
Blank (6080068-BLK1)					Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	ND	3.00	mg/kg wet							
Barium	ND	1.00	mg/kg wet							
Cadmium	ND	1.00	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Cobalt	ND	4.00	mg/kg wet							
Copper	ND	2.00	mg/kg wet							
Lead	ND	2.50	mg/kg wet							
Nickel	ND	2.00	mg/kg wet							
Selenium	ND	4.00	mg/kg wet							
Vanadium	ND	2.00	mg/kg wet							
Zinc	ND	2.00	mg/kg wet							

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August 05, 2016

Report No.: AZG0858

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080068 - EPA 3050B										
LCS (6080068-BS1)					Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	96.6	3.00	mg/kg wet	100.00		97	80-120			
Barium	99.6	1.00	mg/kg wet	100.00		100	80-120			
Cadmium	97.2	1.00	mg/kg wet	100.00		97	80-120			
Chromium	100	1.00	mg/kg wet	100.00		100	80-120			
Cobalt	98.3	4.00	mg/kg wet	100.00		98	80-120			
Copper	97.9	2.00	mg/kg wet	100.00		98	80-120			
Lead	97.6	2.50	mg/kg wet	100.00		98	80-120			
Nickel	99.2	2.00	mg/kg wet	100.00		99	80-120			
Selenium	98.4	4.00	mg/kg wet	100.00		98	80-120			
Vanadium	100	2.00	mg/kg wet	100.00		100	80-120			
Zinc	98.3	2.00	mg/kg wet	100.00		98	80-120			
Duplicate (6080068-DUP1)		**Source: AZG0401-07**			Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	ND	3.79	mg/kg dry		1.95				20	
Barium	885	1.26	mg/kg dry		1800			68	20	QR-03
Cadmium	1.46	1.26	mg/kg dry		1.29			13	20	
Chromium	12.9	1.26	mg/kg dry		13.8			7	20	
Cobalt	4.27	5.06	mg/kg dry		4.19			2	20	
Copper	1.62	2.53	mg/kg dry		2.99			60	20	QR-01
Lead	12.1	3.16	mg/kg dry		18.9			44	20	QR-01
Nickel	6.76	2.53	mg/kg dry		6.43			5	20	
Selenium	ND	5.06	mg/kg dry		ND				20	
Vanadium	11.5	2.53	mg/kg dry		13.6			17	20	
Zinc	13.9	2.53	mg/kg dry		13.9			0.3	20	
Matrix Spike (6080068-MS1)		**Source: AZH0032-01**			Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	103	3.25	mg/kg dry	108.35	ND	95	75-125			
Barium	204	1.08	mg/kg dry	108.35	97.2	98	75-125			
Cadmium	102	1.08	mg/kg dry	108.35	1.17	93	75-125			
Chromium	119	1.08	mg/kg dry	108.35	13.9	97	75-125			
Cobalt	108	4.33	mg/kg dry	108.35	5.03	95	75-125			
Copper	112	2.17	mg/kg dry	108.35	19.9	85	75-125			
Lead	105	2.71	mg/kg dry	108.35	2.57	94	75-125			
Nickel	109	2.17	mg/kg dry	108.35	5.92	95	75-125			
Selenium	107	4.33	mg/kg dry	108.35	ND	99	75-125			
Vanadium	129	2.17	mg/kg dry	108.35	22.9	98	75-125			
Zinc	141	2.17	mg/kg dry	108.35	35.4	97	75-125			

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August 05, 2016

Report No.: AZG0858

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080068 - EPA 3050B										
Matrix Spike Dup (6080068-MSD1)	**Source: AZH0032-01**				Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	105	3.25	mg/kg dry	108.35	ND	97	75-125	1	20	
Barium	205	1.08	mg/kg dry	108.35	97.2	99	75-125	0.6	20	
Cadmium	104	1.08	mg/kg dry	108.35	1.17	94	75-125	2	20	
Chromium	126	1.08	mg/kg dry	108.35	13.9	103	75-125	6	20	
Cobalt	112	4.33	mg/kg dry	108.35	5.03	99	75-125	4	20	
Copper	162	2.17	mg/kg dry	108.35	19.9	131	75-125	36	20	QM-02
Lead	107	2.71	mg/kg dry	108.35	2.57	96	75-125	2	20	
Nickel	112	2.17	mg/kg dry	108.35	5.92	98	75-125	3	20	
Selenium	105	4.33	mg/kg dry	108.35	ND	97	75-125	2	20	
Vanadium	131	2.17	mg/kg dry	108.35	22.9	100	75-125	1	20	
Zinc	154	2.17	mg/kg dry	108.35	35.4	109	75-125	9	20	
Post Spike (6080068-PS1)	**Source: AZH0032-01**				Prepared: 08/03/16 Analyzed: 08/04/16					
Arsenic	0.95		mg/L	1.0000	0.002	94	80-120			
Barium	1.82		mg/L	1.0000	0.90	93	80-120			
Cadmium	0.94		mg/L	1.0000	0.01	93	80-120			
Chromium	1.08		mg/L	1.0000	0.13	96	80-120			
Cobalt	1.00		mg/L	1.0000	0.05	95	80-120			
Copper	1.08		mg/L	1.0000	0.18	90	80-120			
Lead	0.97		mg/L	1.0000	0.02	95	80-120			
Nickel	1.00		mg/L	1.0000	0.05	95	80-120			
Selenium	0.98		mg/L	1.0000	0.005	98	80-120			
Vanadium	1.17		mg/L	1.0000	0.21	96	80-120			
Zinc	1.26		mg/L	1.0000	0.33	93	80-120			

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August 05, 2016

Report No.: AZG0858

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080022 - EPA 5030B										
Blank (6080022-BLK1)					Prepared & Analyzed: 08/01/16					
Acetone	ND	100	ug/L							
Benzene	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Styrene	ND	5.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	10	ug/L							
1,3,5-Trimethylbenzene	ND	10	ug/L							
m+p-Xylene	ND	5.0	ug/L							
o-Xylene	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*42*		*ug/L*	*50.000*		*85*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*40*		*ug/L*	*50.000*		*80*	*78-120*			
Surrogate: Toluene-d8	*47*		*ug/L*	*50.000*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*53*		*ug/L*	*50.000*		*106*	*80-120*			
Blank (6080022-BLK2)					Prepared & Analyzed: 08/02/16					
Acetone	ND	100	ug/L							
Benzene	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Styrene	ND	5.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	10	ug/L							
1,3,5-Trimethylbenzene	ND	10	ug/L							
m+p-Xylene	ND	5.0	ug/L							
o-Xylene	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*44*		*ug/L*	*50.000*		*88*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*43*		*ug/L*	*50.000*		*86*	*78-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*55*		*ug/L*	*50.000*		*109*	*80-120*			

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Report No.: AZG0858

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080022 - EPA 5030B										
LCS (6080022-BS1)				Prepared & Analyzed: 08/01/16						
Benzene	46		ug/L	50.000		92	67-134			
Chlorobenzene	46		ug/L	50.000		93	69-122			
1,1-Dichloroethene	40		ug/L	50.000		79	58-142			
Toluene	45		ug/L	50.000		90	68-127			
Trichloroethene	49		ug/L	50.000		98	72-132			
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*41*		*ug/L*	*50.000*		*82*	*78-120*			
Surrogate: Toluene-d8	*47*		*ug/L*	*50.000*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47*		*ug/L*	*50.000*		*95*	*80-120*			
Matrix Spike (6080022-MS1)	**Source: AZG0767-12**			Prepared & Analyzed: 08/01/16						
Benzene	65		ug/L	50.000	0.4	129	67-134			
Chlorobenzene	65		ug/L	50.000	ND	131	69-122			QM-05
1,1-Dichloroethene	53		ug/L	50.000	ND	105	58-142			
Toluene	61		ug/L	50.000	0.4	121	68-127			
Trichloroethene	69		ug/L	50.000	ND	137	72-132			QM-05
Surrogate: Dibromofluoromethane	*41*		*ug/L*	*50.000*		*82*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*44*		*ug/L*	*50.000*		*88*	*78-120*			
Surrogate: Toluene-d8	*47*		*ug/L*	*50.000*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Matrix Spike Dup (6080022-MSD1)	**Source: AZG0767-12**			Prepared & Analyzed: 08/01/16						
Benzene	67		ug/L	50.000	0.4	133	67-134	3	9	
Chlorobenzene	80		ug/L	50.000	ND	160	69-122	20	13	QM-06
1,1-Dichloroethene	55		ug/L	50.000	ND	110	58-142	4	9	
Toluene	67		ug/L	50.000	0.4	133	68-127	10	9	QM-06
Trichloroethene	72		ug/L	50.000	ND	145	72-132	6	11	QM-05
Surrogate: Dibromofluoromethane	*41*		*ug/L*	*50.000*		*81*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*44*		*ug/L*	*50.000*		*87*	*78-120*			
Surrogate: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			

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Report No.: AZG0858

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080058 - EPA 5035										
Blank (6080058-BLK1)					Prepared & Analyzed: 08/02/16					
Acetone	ND	100	ug/kg wet							
Benzene	ND	5.0	ug/kg wet							
1,2-Dichloroethane	ND	5.0	ug/kg wet							
1,1-Dichloroethene	ND	5.0	ug/kg wet							
Ethylbenzene	ND	5.0	ug/kg wet							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/kg wet							
Styrene	ND	5.0	ug/kg wet							
Tetrachloroethene	ND	5.0	ug/kg wet							
Toluene	ND	5.0	ug/kg wet							
1,1,1-Trichloroethane	ND	5.0	ug/kg wet							
Trichloroethene	ND	5.0	ug/kg wet							
1,2,4-Trimethylbenzene	ND	10	ug/kg wet							
1,3,5-Trimethylbenzene	ND	10	ug/kg wet							
m+p-Xylene	ND	5.0	ug/kg wet							
o-Xylene	ND	5.0	ug/kg wet							
Xylenes, total	ND	5.0	ug/kg wet							
Surrogate: Dibromofluoromethane	*44*		*ug/kg*	*50.000*		*87*	*80-121*			
Surrogate: 1,2-Dichloroethane-d4	*42*		*ug/kg*	*50.000*		*85*	*70-131*			
Surrogate: Toluene-d8	*50*		*ug/kg*	*50.000*		*99*	*79-120*			
Surrogate: 4-Bromofluorobenzene	*54*		*ug/kg*	*50.000*		*109*	*80-121*			
Blank (6080058-BLK2)					Prepared & Analyzed: 08/03/16					
Acetone	ND	100	ug/kg wet							
Benzene	ND	5.0	ug/kg wet							
1,2-Dichloroethane	ND	5.0	ug/kg wet							
1,1-Dichloroethene	ND	5.0	ug/kg wet							
Ethylbenzene	ND	5.0	ug/kg wet							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/kg wet							
Styrene	ND	5.0	ug/kg wet							
Tetrachloroethene	ND	5.0	ug/kg wet							
Toluene	ND	5.0	ug/kg wet							
1,1,1-Trichloroethane	ND	5.0	ug/kg wet							
Trichloroethene	ND	5.0	ug/kg wet							
1,2,4-Trimethylbenzene	ND	10	ug/kg wet							
1,3,5-Trimethylbenzene	ND	10	ug/kg wet							
m+p-Xylene	ND	5.0	ug/kg wet							
o-Xylene	ND	5.0	ug/kg wet							
Xylenes, total	ND	5.0	ug/kg wet							
Surrogate: Dibromofluoromethane	*44*		*ug/kg*	*50.000*		*87*	*80-121*			
Surrogate: 1,2-Dichloroethane-d4	*45*		*ug/kg*	*50.000*		*91*	*70-131*			
Surrogate: Toluene-d8	*49*		*ug/kg*	*50.000*		*98*	*79-120*			

PACE ANALYTICAL SERVICES, INC.

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(770) 734-4200 FAX (770) 734-4201

Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6080058 - EPA 5035										
Blank (6080058-BLK2)					Prepared & Analyzed: 08/03/16					
Surrogate: 4-Bromofluorobenzene	*55*		*ug/kg*	*50.000*		*110*	*80-121*			
LCS (6080058-BS1)					Prepared & Analyzed: 08/02/16					
Benzene	47		ug/kg	50.000		93	71-125			
Chlorobenzene	52		ug/kg	50.000		103	70-120			
1,1-Dichloroethene	41		ug/kg	50.000		83	71-139			
Toluene	49		ug/kg	50.000		98	69-120			
Trichloroethene	51		ug/kg	50.000		103	75-124			
Surrogate: Dibromofluoromethane	*47*		*ug/kg*	*50.000*		*95*	*80-121*			
Surrogate: 1,2-Dichloroethane-d4	*43*		*ug/kg*	*50.000*		*86*	*70-131*			
Surrogate: Toluene-d8	*49*		*ug/kg*	*50.000*		*99*	*79-120*			
Surrogate: 4-Bromofluorobenzene	*48*		*ug/kg*	*50.000*		*97*	*80-121*			
Matrix Spike (6080058-MS1)	**Source: AZG0858-03**				Prepared & Analyzed: 08/02/16					
Benzene	43		ug/kg	50.000	ND	86	70-137			
Chlorobenzene	45		ug/kg	50.000	1.1	88	33-131			
1,1-Dichloroethene	43		ug/kg	50.000	ND	86	48-146			
Toluene	43		ug/kg	50.000	ND	85	41-133			
Trichloroethene	44		ug/kg	50.000	ND	89	43-138			
Surrogate: Dibromofluoromethane	*44*		*ug/kg*	*50.000*		*87*	*80-121*			
Surrogate: 1,2-Dichloroethane-d4	*47*		*ug/kg*	*50.000*		*94*	*70-131*			
Surrogate: Toluene-d8	*49*		*ug/kg*	*50.000*		*98*	*79-120*			
Surrogate: 4-Bromofluorobenzene	*55*		*ug/kg*	*50.000*		*110*	*80-121*			
Matrix Spike Dup (6080058-MSD1)	**Source: AZG0858-03**				Prepared & Analyzed: 08/03/16					
Benzene	38		ug/kg	50.000	ND	76	70-137	11	41	
Chlorobenzene	42		ug/kg	50.000	0.9	83	33-131	6	46	QI-02
1,1-Dichloroethene	35		ug/kg	50.000	ND	70	48-146	21	57	
Toluene	38		ug/kg	50.000	ND	75	41-133	12	61	
Trichloroethene	39		ug/kg	50.000	ND	79	43-138	12	49	
Surrogate: Dibromofluoromethane	*45*		*ug/kg*	*50.000*		*90*	*80-121*			
Surrogate: 1,2-Dichloroethane-d4	*50*		*ug/kg*	*50.000*		*100*	*70-131*			
Surrogate: Toluene-d8	*48*		*ug/kg*	*50.000*		*96*	*79-120*			
Surrogate: 4-Bromofluorobenzene	*54*		*ug/kg*	*50.000*		*107*	*80-121*			

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August 05, 2016

Report No.: AZG0858

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6070705 - EPA 3550C										
Blank (6070705-BLK1)					Prepared & Analyzed: 07/30/16					
Anthracene	ND	330	ug/kg wet							
Acenaphthene	ND	330	ug/kg wet							
Acenaphthylene	ND	330	ug/kg wet							
Benzo(a)anthracene	ND	330	ug/kg wet							
Benzo(a)pyrene	ND	330	ug/kg wet							
Benzo(b)fluoranthene	ND	330	ug/kg wet							
Benzo(k)fluoranthene	ND	330	ug/kg wet							
Carbazole	ND	330	ug/kg wet							
4-Chloro-3-methylphenol	ND	330	ug/kg wet							
2-Chlorophenol	ND	330	ug/kg wet							
Chrysene	ND	330	ug/kg wet							
Dibenzo(a,h)anthracene	ND	330	ug/kg wet							
Dibenzofuran	ND	330	ug/kg wet							
2,4-Dimethylphenol	ND	330	ug/kg wet							
2,4-Dinitrophenol	ND	1700	ug/kg wet							
Fluoranthene	ND	330	ug/kg wet							
Fluorene	ND	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg wet							
2-Methylnaphthalene	ND	330	ug/kg wet							
2-Methylphenol (o-cresol)	ND	330	ug/kg wet							
3+4-Methylphenol (m+p-cresol)	ND	330	ug/kg wet							
Naphthalene	ND	330	ug/kg wet							
Pentachlorophenol	ND	330	ug/kg wet							
Phenanthrene	ND	330	ug/kg wet							
Phenol	ND	330	ug/kg wet							
Pyrene	ND	330	ug/kg wet							
2,4,6-Trichlorophenol	ND	330	ug/kg wet							
2,3,4,6+2,3,4,5-Tetrachlorophenol	ND	650	ug/kg wet							
Surrogate: 2-Fluorophenol	*2205*		*ug/kg wet*	*3296.0*		*67*	*21-120*			
Surrogate: Phenol-d6	*2372*		*ug/kg wet*	*3296.0*		*72*	*19-120*			
Surrogate: Nitrobenzene-d5	*1114*		*ug/kg wet*	*1648.0*		*68*	*13-120*			
Surrogate: 2-Fluorobiphenyl	*1234*		*ug/kg wet*	*1648.0*		*75*	*17-120*			
Surrogate: 2,4,6-Tribromophenol	*2307*		*ug/kg wet*	*3296.0*		*70*	*30-120*			
Surrogate: p-Terphenyl-dl4	*1644*		*ug/kg wet*	*1648.0*		*100*	*41-120*			

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Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6070705 - EPA 3550C										
LCS (6070705-BS1)					Prepared & Analyzed: 07/30/16					
Acenaphthene	1300	330	ug/kg wet	1652.9		82	40-120			
4-Chloro-3-methylphenol	2400	330	ug/kg wet	3305.8		72	35-120			
2-Chlorophenol	2000	330	ug/kg wet	3305.8		61	25-120			
1,4-Dichlorobenzene	1000	330	ug/kg wet	1652.9		62	24-120			
2,4-Dinitrotoluene	1500	650	ug/kg wet	1652.9		89	36-120			
4-Nitrophenol	1800	1700	ug/kg wet	3305.8		54	14-125			
N-Nitrosodi-n-propylamine	1400	330	ug/kg wet	1652.9		87	30-120			
Pentachlorophenol	1600	330	ug/kg wet	3305.8		48	40-120			
Phenol	2300	330	ug/kg wet	3305.8		69	22-120			
Pyrene	1600	330	ug/kg wet	1652.9		100	62-120			
1,2,4-Trichlorobenzene	1200	330	ug/kg wet	1652.9		74	30-120			
Surrogate: 2-Fluorophenol	*1707*		*ug/kg wet*	*3305.8*		*52*	*21-120*			
Surrogate: Phenol-d6	*1879*		*ug/kg wet*	*3305.8*		*57*	*19-120*			
Surrogate: Nitrobenzene-d5	*877.7*		*ug/kg wet*	*1652.9*		*53*	*13-120*			
Surrogate: 2-Fluorobiphenyl	*976.2*		*ug/kg wet*	*1652.9*		*59*	*17-120*			
Surrogate: 2,4,6-Tribromophenol	*2240*		*ug/kg wet*	*3305.8*		*68*	*30-120*			
Surrogate: p-Terphenyl-dl4	*1283*		*ug/kg wet*	*1652.9*		*78*	*41-120*			
Matrix Spike (6070705-MS1)	**Source: AZG0858-08**				Prepared & Analyzed: 07/30/16					
Acenaphthene	1900	410	ug/kg dry	2057.3	ND	92	10-120			
4-Chloro-3-methylphenol	3500	410	ug/kg dry	4114.5	ND	84	10-129			
2-Chlorophenol	3100	410	ug/kg dry	4114.5	ND	76	10-120			
1,4-Dichlorobenzene	1400	410	ug/kg dry	2057.3	ND	69	10-120			
2,4-Dinitrotoluene	2000	810	ug/kg dry	2057.3	510	73	10-126			
4-Nitrophenol	2400	2100	ug/kg dry	4114.5	ND	59	10-128			
N-Nitrosodi-n-propylamine	2200	410	ug/kg dry	2057.3	ND	105	10-121			
Pentachlorophenol	2000	410	ug/kg dry	4114.5	ND	49	40-120			
Phenol	3500	410	ug/kg dry	4114.5	ND	84	10-120			
Pyrene	2200	410	ug/kg dry	2057.3	ND	107	10-138			
1,2,4-Trichlorobenzene	1700	410	ug/kg dry	2057.3	ND	84	10-120			
Surrogate: 2-Fluorophenol	*2631*		*ug/kg dry*	*4114.5*		*64*	*21-120*			
Surrogate: Phenol-d6	*2832*		*ug/kg dry*	*4114.5*		*69*	*19-120*			
Surrogate: Nitrobenzene-d5	*1292*		*ug/kg dry*	*2057.3*		*63*	*13-120*			
Surrogate: 2-Fluorobiphenyl	*1303*		*ug/kg dry*	*2057.3*		*63*	*17-120*			
Surrogate: 2,4,6-Tribromophenol	*2986*		*ug/kg dry*	*4114.5*		*73*	*30-120*			
Surrogate: p-Terphenyl-dl4	*1726*		*ug/kg dry*	*2057.3*		*84*	*41-120*			

PACE ANALYTICAL SERVICES, INC.

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Envirorisk Consultants, Inc
P.O. Box 945
Grayson GA, 30017
Attention: Mr. Ken Summerour

August 05, 2016

Report No.: AZG0858

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 6070705 - EPA 3550C										
Matrix Spike Dup (6070705-MSD1)	**Source: AZG0858-08**				Prepared & Analyzed: 07/30/16					
Acenaphthene	1800	410	ug/kg dry	2075.0	ND	87	10-120	4	58	
4-Chloro-3-methylphenol	3400	410	ug/kg dry	4150.1	ND	81	10-129	3	45	
2-Chlorophenol	2900	410	ug/kg dry	4150.1	ND	70	10-120	6	45	
1,4-Dichlorobenzene	1300	410	ug/kg dry	2075.0	ND	63	10-120	7	63	
2,4-Dinitrotoluene	2100	820	ug/kg dry	2075.0	510	75	10-126	3	62	
4-Nitrophenol	2600	2100	ug/kg dry	4150.1	ND	63	10-128	7	50	
N-Nitrosodi-n-propylamine	2100	410	ug/kg dry	2075.0	ND	99	10-121	4	59	
Pentachlorophenol	2300	410	ug/kg dry	4150.1	ND	55	40-120	12	40	
Phenol	3300	410	ug/kg dry	4150.1	ND	79	10-120	5	41	
Pyrene	2400	410	ug/kg dry	2075.0	ND	114	10-138	7	47	
1,2,4-Trichlorobenzene	1600	410	ug/kg dry	2075.0	ND	76	10-120	10	65	
Surrogate: 2-Fluorophenol	*2416*		*ug/kg dry*	*4150.1*		*58*	*21-120*			
Surrogate: Phenol-d6	*2706*		*ug/kg dry*	*4150.1*		*65*	*19-120*			
Surrogate: Nitrobenzene-d5	*1179*		*ug/kg dry*	*2075.0*		*57*	*13-120*			
Surrogate: 2-Fluorobiphenyl	*1206*		*ug/kg dry*	*2075.0*		*58*	*17-120*			
Surrogate: 2,4,6-Tribromophenol	*3105*		*ug/kg dry*	*4150.1*		*75*	*30-120*			
Surrogate: p-Terphenyl-dl4	*1835*		*ug/kg dry*	*2075.0*		*88*	*41-120*			

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August 05, 2016

Laboratory Certifications

Code	Description	Number	Expires
NC	North Carolina	381	12/31/2016
NELAC	FL DOH (Non-Pot. Water, Solids) Eff:: 07/01/2016	E87315	06/30/2017
SC	South Carolina	98011001	08/30/2016
TX	Texas	T104704397-08-TX	03/31/2017
VA	Virginia	1340	12/14/2016

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August 05, 2016

Legend

Definition of Laboratory Terms

ND - None Detected at the Reporting Limit
TIC - Tentatively Identified Compound
CFU - Colony Forming Units
SOP - Method run per Pace Standard Operating Procedure
RL - Reporting Limit
DF - Dilution Factor
***** - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrososdiphenylamine. Pace is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

S-04 The surrogate recovery for this sample is outside of established control limits due to a suspected sample matrix effect.

R-01 Elevated reporting limit due to matrix interference.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to suspected matrix interference and/or non-homogeneous sample matrix.

QR-01 RPD was outside acceptance limits due to sample concentrations near or below the reporting limit.

QM-06 Due to suspected matrix interference, RPD and Percent Recovery values for the MS and/or MSD were outside control limits. Sample results for the QC batch were accepted based on acceptable LCS recoveries.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD and/or PDS due to suspected matrix interference. Sample results for the QC batch were accepted based on acceptable LCS recoveries.

QM-02 The spike recovery is outside acceptance limits due to insignificant spike amount as compared to sample concentration.

QI-02 Internal standard was outside control limits biased low due to suspected matrix interference. See Case Narrative.

Note: Unless otherwise noted, all results are reported on an as received basis.

CHAIN OF CUSTODY RECORD

Pace Analytical® www.pacelabs.com
Pace Analytical Services, Inc
110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092
(770) 734-4200 : FAX (770) 734-4201

PAGE: 1 OF 1

CLIENT NAME: ENVIROSIR CONSULTANTS
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 533 S. MADISON AVE MONROE, GA 30655
REPORT TO: KEN Summerour
CC:
REQUESTED COMPLETION DATE:
PO #:
PROJECT NAME/STATE: WX Meredith / GEORGIA
PROJECT #: ER-437

ANALYSIS REQUESTED

Collection DATE	Collection TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	8260 (site specific list)	8270 (site specific List)	6010 Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver							LAB ID NUMBER
CONTAINER TYPE:							V	V	A							
PRESERVATION:							6	7	7							
7/26/16	1000	S		✓	SWMW10-3-12	6	✓	✓	✓							1
7/26/16	1010	S		✓	SWMW10-3-20	6	✓	✓	✓							2
7/26/16	1050	S		✓	SWMW10-4-16	6	✓	✓	✓							3
7/26/16	1055	S		✓	SWMW10-4-20	6	✓	✓	✓							4
7/26/16	1130	S		✓	SWMW10-1-20	6	✓	✓	✓							5
7/26/16	1210	S		✓	SWMW10-2-8	6	✓	✓	✓							6
7/26/16	1220	S		✓	SWMW10-2-20	6	✓	✓	✓							7
7/26/16	1415	S		✓	SWMW10-1A-20	6	✓	✓	✓							8
7/26/16	1450	S		✓	SWMW10-1B-12	6	✓	✓	✓							9
7/26/16	1500	S		✓	SWMW10-1B-20	6	✓	✓	✓							10
																11

REMARKS/ADDITIONAL INFORMATION: Trip Blank 7/28/16

CONTAINER TYPE	PRESERVATION
P - PLASTIC	1 - HCl, ≤6°C
A - AMBER GLASS	2 - H_2SO_4, ≤6°C
G - CLEAR GLASS	3 - HNO_3
V - VOA VIAL	4 - NaOH, ≤6°C
S - STERILE	5 - NaOH/ZnAc, ≤6°C
O - OTHER	6 - $Na_2S_2O_3$, ≤6°C
	7 - ≤6°C not frozen

*MATRIX CODES:

DW -	DRINKING WATER	S -	SOIL
WW -	WASTEWATER	SL -	SLUDGE
GW -	GROUNDWATER	SD -	SOLID
SW -	SURFACE WATER	A -	AIR
ST -	STORM WATER	L -	LIQUID
W -	WATER	P -	PRODUCT

SAMPLED BY AND TITLE: JEWP. CHAPPELL
DATE/TIME: 7/28/16 1400
RELINQUISHED BY:
DATE/TIME: 7/28/16 1530
RECEIVED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:
RECEIVED BY LAB:
DATE/TIME: 7/28/16 1530

FOR LAB USE ONLY
LAB #: AZ60858
Entered into LIMS:
Tracking #:

SAMPLE SHIPPED VIA: UPS FED-EX USPS COURIER Pace CLIENT OTHER FS
pH checked: Yes No NA
Ice: Yes No NA
Temperature: 6 °C Min: 6 °C Max:
Custody Seal: Intact Broken Not Present
of Coolers
Cooler ID:

PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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LOG-IN CHECKLIST **Printed: 8/5/2016 5:46:49PM**

Attn: Mr. Ken Summerour

Client: Envirorisk Consultants, Inc
Project: WC Meridith
Date Received: 07/28/16 16:30

Work Order: AZG0858
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 11 **#Containers:** 63

Minimum Temp(C): 6.0 **Maximum Temp(C):** 6.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	NO
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

The VOA vials were received out of hold. The Trip Blank was not listed on the COC. CFH