

BONNELL ALUMINUM, INC.

POST CLOSURE CARE PERMIT RENEWAL APPLICATION

MARCH 29, 2024

APPENDIX 4-J

SWMU LABORATORY ANALYTICAL REPORTS (2014-2023)



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 17, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Bioventing Confirmation Soil Sampling

Dear Terry D. Snell:

Order No: 1511655

Analytical Environmental Services, Inc. received 45 samples on 11/6/2015 7:50:00 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
Project Manager

Project: Bioventing Confirmation Soil Sampling										Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com										
Laboratory Name and Address: Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340										E-Mail Reports To Bon L Project Contact and: Terry Snell (tdsnell@bonlalum.com) Janette Courtney (jcourtney@bonlalum.com) Lynn Ellington (LEllington@bonlalum.com) Leslie Miller (leslie.miller@amectfw.com) Michael LaPrade (Michael.LaPrade@amectfw.com) Tom Watson (TW.Squared@comcast.net)										
Laboratory Project Manager: Ioana Pacurar Phone 770-457-8177 ext 225 E-Mail ipacurar@aesatlanta.com										Requested Turn Around Time: 5 Business Days										
In Case Of Problems With Samples Contact: Leslie Miller (O: 770-421-3321 C: 678-778-7214)										Send Invoice To: apinvoic@bonlalum.com										
Tom Watson (O: 678-358-6943)										For Approval By: Terry Snell										
PO # Or Billing Code:										1.2070.25										
DATE	TIME	MATRIX CODE*	COMP	# G R A B S	# H O U R S	S I G N R G A L B E	SAMPLE ID	SAMPLE INFORMATION	# OF CONTAINERS	Tetrachloroethane	Trichloroethane	1,1-Dichloroethane	Toluene	Ethylbenzene	Xylenes, Total	Naphthalene	REMARKS/ADDITIONAL INFORMATION			
11/15/15	15:50	S				X	CS12-13-14	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X		Standard Turnaround		
Preservation Used: = Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCl, Methanol, Sodium Bisulfate																				
SAMPLED BY (PRINTED, COMPANY): Amece Foster Wheeler										SIGNATURE: <i>Angel Ball</i>										
RELINQUISHED BY PRINTED NAME:										DATE/TIME: <i>11/16/15 9:50</i>										
COMPANY NAME:										SIGNATURE: <i>Michael LaPrade</i>										
RELINQUISHED BY PRINTED NAME:										DATE/TIME: <i>11/16/15 9:50</i>										
COMPANY NAME:										SIGNATURE: <i>Tom Watson</i>										
RELINQUISHED BY PRINTED NAME:										DATE/TIME: <i>11/16/15 9:50</i>										
COMPANY NAME:										SIGNATURE: <i>Michael LaPrade</i>										
RELINQUISHED BY PRINTED NAME:										DATE/TIME: <i>11/16/15 9:50</i>										
COMPANY NAME:										SIGNATURE: <i>Tom Watson</i>										
RECEIVED BY LAB PRINTED NAME:										DATE/TIME: <i>11/16/15 9:50</i>										
CUSTODY INTACT										Savannah Log No.:										
NO										Laboratory Remarks:										
INTO LIMS:										Reviewed:										

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Project: Bioventing Confirmation Soil Sampling						E-Mail Reports To Bon L Project Contact and:								Terry Snell (tdsnell@bonialum.com)								Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonialum.com							
Laboratory Name and Address:						Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340						Janette Courtney (jcourtney@bonialum.com) Lynn Ellington (LEllington@bonialum.com) Leslie Miller (leslie.miller@amecfw.com) Michael LaPrade (Michael.LaPrade@amecfw.com) Tom Watson (TWSquared@comcast.net)						Terry Snell (tdsnell@bonialum.com)											
Laboratory Project Manager:						Ioana Pacurar Phone 770-457-8177 ext 225 E-Mail ipacurar@aesaatlanta.com																							
Requested Turn Around Time:						5 Business Days																							
In Case Of Problems With Samples Contact:						Send Invoice To: apinvoicess@bonialum.com																							
Leslie Miller (O: 770-421-3321 C: 678-778-7214)						For Approval By: Terry Snell																							
Tom Watson (O: 678-358-6943)						PO # Or Billing Code: 1.2070.25																							
DATE		TIME		MATRIX CODE*	COMP	# G R A B S	# H O U R S	S I G N R G A L B E	SAMPLE ID		SAMPLE INFORMATION		# OF CONTAINERS		ANALYSIS REQUESTED		LABORATORY USE ONLY												
11/5/15	10:05	S			X				CS10A-4-S	Bio Conf Soil Sampling	3	Tetrachloroethene						L A B I D N U M B E R											
11/5/15	10:10	S			X				CS10A-9-10	Bio Conf Soil Sampling	3	Trichloroethene						A											
11/5/15	10:30	S			X				CS10A-14-15	Bio Conf Soil Sampling	3	Ethylbenzene						B											
11/5/15	10:50	S			X				CS10B-4-S	Bio Conf Soil Sampling	3	Toluene						I											
11/5/15	10:55	S			X				CS10B-9-10	Bio Conf Soil Sampling	3	1,1-Dichloroethane						D											
11/5/15	11:15	S			X				CS10B-13-14	Bio Conf Soil Sampling	3	Xylenes, Total						N											
Preservation Used: = Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCL Methanol Sodium Bisulfate																													
SAMPLER BY (PRINTED, COMPANY):						SIGNATURE: [Signature]						SAMPLER BY (PRINTED, COMPANY):						SIGNATURE:											
COMPANY NAME: AMEC Foster Wheeler						COMPANY NAME:						COMPANY NAME:						COMPANY NAME:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME: 11/6/15 5:50						RECEIVED BY PRINTED NAME: [Signature]						DATE/TIME: 11/6/15 5:50											
COMPANY NAME:						SIGNATURE:						COMPANY NAME:						SIGNATURE:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME: 11/6/15 5:50						RECEIVED BY PRINTED NAME: [Signature]						DATE/TIME: 11/6/15 5:50											
COMPANY NAME:						SIGNATURE:						COMPANY NAME:						SIGNATURE:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME: 11/6/15 5:50						RECEIVED BY PRINTED NAME: [Signature]						DATE/TIME: 11/6/15 5:50											
COMPANY NAME:						SIGNATURE:						COMPANY NAME:						SIGNATURE:											
RECEIVED BY LAB PRINTED NAME:						DATE/TIME: 11/6/15 5:50						RECEIVED BY LAB PRINTED NAME:						DATE/TIME: 11/6/15 5:50											
CUSTODY YES						Savannah Log No.:						AIR BILL #:						COOLER #:											
INTACT NO						Laboratory Remarks:						UP\$ FED-EX COURIER CLIENT OTHER:						TEMPERATURE:											
INTO LIMS:						Reviewed:						SAMPLE SHIPPED VIA:						SAMPLE CONDITION:											
																		Page 4 of 83											

CHAIN OF CUSTODY RECORD

BON L MANUFACTURING COMPANY
25 Bonnell St. Newnan, GA 37030Billing Address:
P.O. Box 2555
Newnan, GA 30264

PAGE: 9 OF 13

Project: Bioventing Confirmation Soil Sampling				Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonnell.com												
Laboratory Name and Address:				ANALYSIS REQUESTED												
Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340				Terry Snell (tdsnell@bonnell.com)												
Laboratory Project Manager:				Janelle Courtney (jcourtney@bonnell.com)												
Ioana Pacurar Phone 770-457-8177 ext 225				Lynn Ellington (LEllington@bonnell.com)												
E-Mail ipacurar@aesatlanta.com				Leslie Miller (leslie.miller@amectw.com)												
Requested Turn Around Time:				Michael LaPrade (Michael.LaPrade@amectw.com)												
5 Business Days				Tom Watson (TW.Squared@comcast.net)												
In Case Of Problems With Samples Contact:				Send Invoice To: apinvoic@bonnell.com												
Leslie Miller (O: 770-421-3321 C: 678-778-7214)				For Approval By: Terry Snell												
Tom Watson (O: 678-358-6943)				PO # Or Billing Code: 1.2070.25												
DATE	TIME	MATRIX CODE*	COMP	SAMPLE ID	SAMPLE INFORMATION	# OF CONTAINERS	Tetrachloroethene	Trichloroethene	1,1-Dichloroethane	Toluene	Ethylbenzene	Xylenes, Total	Naphthalene	LAB #	QUOTE #	MATRIX CODES:
11/5/15	11:45	S	S	CS9A-4-S	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	A -		AIR
11/5/15	11:50	S	S	CS9A-9-10	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	DW -		DRINKING WATER
11/5/15	11:55	S	S	CS9A-13-14	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	GW -		GROUNDWATER
11/5/15	12:05	S	S	CS9B-4-S	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	L -		NON AQUEOUS LIQUID
11/5/15	12:10	S	S	CS9B-9-10	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	LW -		LAW MIX
11/5/15	12:20	S	S	CS9B-13-14	Bio Conf Soil Sampling	3	X	X	X	X	X	X	X	O -		OTHER
Preservation Used: Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCL, Methanol, Sodium Bisulfate																
SIGNED BY (PRINTED, COMPANY):																
SIGNATURE: Amyla Bole																
COMPANY NAME: Amyla Bole																
RELINQUISHED BY PRINTED NAME:																
SIGNATURE:																
COMPANY NAME:																
RELINQUISHED BY PRINTED NAME:																
SIGNATURE:																
COMPANY NAME:																
RELINQUISHED BY PRINTED NAME:																
SIGNATURE:																
COMPANY NAME:																
RECEIVED BY LAB PRINTED NAME:																
SIGNATURE:																
CUSTODY YES																
Savannah Log No.:																
INTEGRITY NO																
Laboratory Remarks:																
Reviewed:																
DATE/TIME:																
SAMPLE SHIPPED VIA:																
UPS																
FED-EX																
COURIER																
CLIENT																
OTHER:																
AIR BILL #:																
COOLER #:																
SAMPLE CONDITION:																
Page 5 of 83																

CHAIN OF CUSTODY RECORD

BON L MANUFACTURING COMPANY
25 Bonnell St. Newnan, GA 37030

Billing Address:
P.O. Box 2555
Newnan, GA 30264



PAGE: 8 OF 13

Project/Bioventing Confirmation Soil Sampling				Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonallum.com			
Laboratory Name and Address:				ANALYSIS REQUESTED			
Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340				FOR LAB USE ONLY			
Laboratory Project Manager: Ioana Pacurar Phone 770-457-8177 ext 225 E-Mail ipacurar@aesatlanta.com				LAB #:			
Requested Turn Around Time: 5 Business Days				QUOTE #:			
In Case Of Problems With Samples Contact: Leslie Miller (O: 770-421-3321 C: 678-778-7214)				MATRIX CODES:			
Tom Watson (O: 678-358-6943)				A - AIR DW - DRINKING WATER GW - GROUNDWATER L - NON AQUEOUS LIQUID LW - LAM MIX O - OIL OT - OTHER P - PRODUCT PW - PROCESS WATER S - SOIL SD - SOLID SL - SLUDGE ST - STORM WATER SW - SURFACE WATER W - WATER WW - WASTEWATER			
DATE	TIME	MATRIX CODE*	COMP	#	COMP	#	COMP
11/5/15	12:50	S					
11/5/15	12:55	S					
11/5/15	13:00	S					
11/5/15	13:20	S					
11/5/15	13:25	S					
11/5/15	13:30	S					
Preservation Used: = Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCl, Methanol, Sodium Bisulfate							
SAMPLED BY (PRINTED, COMPANY):				SIGNATURE: <i>Angela Balducci</i>			
COMPANY NAME: <i>AmeC Foster Wheeler</i>				COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:				DATE/TIME: <i>11/6/15</i>			
COMPANY NAME:				SIGNATURE: <i>[Signature]</i>			
RELINQUISHED BY PRINTED NAME:				DATE/TIME: <i>11/6/15</i>			
COMPANY NAME:				SIGNATURE: <i>[Signature]</i>			
RELINQUISHED BY PRINTED NAME:				DATE/TIME: <i>11/6/15</i>			
COMPANY NAME:				SIGNATURE: <i>[Signature]</i>			
RELINQUISHED BY PRINTED NAME:				DATE/TIME: <i>11/6/15</i>			
COMPANY NAME:				SIGNATURE: <i>[Signature]</i>			
RECEIVED BY LAB PRINTED NAME:				DATE/TIME:			
SIGNATURE:				DATE/TIME:			
CUSTODY IN/ACT: YES				SEVENAH LOG NO.:			
NO				LABORATORY REMARKS:			
INTO LIMS:				REVIEWED:			
SAMPLE SHIPPED VIA:				AIR BILL #:			
UPS				FED-EX			
CLIENT				COURIER			
OTHER:				COOLER #:			
TEMPERATURE:				SAMPLE CONDITION:			
Page 6 of 83							

REMARKS/ADDITIONAL INFORMATION

CHAIN OF CUSTODY RECORD

BON L MANUFACTURING COMPANY
25 Bonnell St. Newnan, GA 37030

Billing Address:
P.O. Box 2555
Newnan, GA 30264



PAGE: 5 OF 13

Project: Bioventing Confirmation Soil Sampling		Bon L Project Contact: Terry Snell		Phone: 404-431-0028		E-Mail: tdsnell@bonallum.com	
Laboratory Name and Address:		ANALYSIS REQUESTED					
Analytical Environmental Services		FOR LAB USE ONLY					
3080 Presidential Drive		LAB #:					
Atlanta, GA 30340		QUOTE #:					
Laboratory Project Manager:		MATRIX CODES:					
Joana Pacurar		A - AIR					
Phone 770-457-8177 ext 225		D - DRINKING WATER					
E-Mail: ipacurar@aesatlanta.com		G - GROUNDWATER					
Requested Turn Around Time:		L - NON AQUEOUS LIQUID					
5 Business Days		W - WASTE WATER					
In Case Of Problems With Samples Contact:		S - SURFACE WATER					
Leslie Miller (O: 770-421-3321 C: 678-778-7214)		O - OIL					
Send Invoice To:		P - PRODUCT					
For Approval By:		T - TOLUENE					
PO # Or Billing Code		T - TOLUENE					
Tom Watson (O: 678-358-6943)		T - TOLUENE					
SAMPLE INFORMATION		REMARKS/ADDITIONAL INFORMATION					
DATE	TIME	MATRIX CODE	COMP	#	IGNRGALE		
11/15/15	14:55	S					
11/15/15	15:00	S					
11/15/15	15:05	S					
11/15/15	15:25	S					
11/15/15	15:35	S					
11/15/15	15:40	S					
Preservation Used: = Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCl, Methanol, Sodium Bisulfate							
SAMPLED BY (PRINTED, COMPANY):		SIGNATURE:		SAMPLED BY (PRINTED, COMPANY):		SIGNATURE:	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:		RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:		RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:		RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:	
RECEIVED BY LAB PRINTED NAME:		DATE/TIME:		RECEIVED BY LAB PRINTED NAME:		DATE/TIME:	
CUSTODY YES		Savannah Log No.:		CUSTODY YES		Savannah Log No.:	
INTACT NO		Laboratory Remarks:		INTACT NO		Laboratory Remarks:	
INTO LIMS:		Reviewed:		INTO LIMS:		Reviewed:	

CHAIN OF CUSTODY RECORD

BON L MANUFACTURING COMPANY
25 Bonnell St. Newnan, GA 37030

Billing Address:
P.O. Box 2555
Newnan, GA 30264



PAGE: 3 OF 13

Project: Bioventing Confirmation Soil Sampling				Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonallum.com														
Laboratory Name and Address:				FOR LAB USE ONLY														
Analytical Environmental Services				LAB #:														
3080 Presidential Drive				QUOTE #:														
Atlanta, GA 30340				MATRIX CODES:														
Laboratory Project Manager:				A - AIR	PW - PROCESS WATER													
Ioana Pacurar Phone 770-457-8177 ext 225				DW - DRINKING WATER	S - SOIL													
E-Mail ipacurar@aesaatlanta.com				GW - GROUNDWATER	SD - SOLID													
Requested Turn Around Time:				L - NON AQUEOUS LIQUID	SL - SLUDGE													
5 Business Days				LW - LAW MIX	ST - STORM WATER													
In Case Of Problems With Samples Contact:				O - OIL	SW - SURFACE WATER													
Leslie Miller (O: 770-421-3321 C: 678-778-7214)				OT - OTHER	W - WATER													
For Approval By: Terry Snell				P - PRODUCT	WW - WASTEWATER													
PO # Or Billing Code: 1.2070.25				REMARKS/ADDITIONAL INFORMATION														
DATE		TIME	MATRIX CODE*	COMP	#	S I G N A T U R E	SAMPLE ID	SAMPLE INFORMATION	# OF CONTAINERS	Tetrachloroethene	Trichloroethene	1,1-Dichloroethane	Toluene	Ethylbenzene	Xylenes, Total	Naphthalene	LAB NUMBER	
11/5/15	14:00	S					CS3A-4-S	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
11/5/15	14:05	S					CS3A-4-10	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
11/5/15	14:15	S					CS3A-14-15	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
11/5/15	14:25	S					CS3B-4-S	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
11/5/15	14:30	S					CS3B-9-10	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
11/5/15	14:35	S					CS3B-13-14	Bio Conf Soil Sampling	3	X	X	X	X	X	X			
Preservation Used: Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCl, Methanol, Sodium Bisulfate																		
SAMPLED BY (PRINTED, COMPANY):				SIGNATURE:				SAMPLED BY (PRINTED, COMPANY):				SIGNATURE:						
COMPANY NAME: AMEC Foster Wheeler								COMPANY NAME:										
RELINQUISHED BY PRINTED NAME:				DATE/TIME:				RECEIVED BY PRINTED NAME:				DATE/TIME:						
COMPANY NAME:								COMPANY NAME:										
RELINQUISHED BY PRINTED NAME:				DATE/TIME:				RECEIVED BY PRINTED NAME:				DATE/TIME:						
COMPANY NAME:								COMPANY NAME:										
RELINQUISHED BY PRINTED NAME:				DATE/TIME:				RECEIVED BY PRINTED NAME:				DATE/TIME:						
COMPANY NAME:								COMPANY NAME:										
RECEIVED BY LAB PRINTED NAME:				DATE/TIME:				SAMPLE SHIPPED VIA:				TEMPERATURE:						
CUSTODY INTACT: YES				Savannah Log No.:				UPS				FED-EX						
NO				Laboratory Remarks:				AIR BILL #				COOLER #						
INTO LIMS:				Reviewed:								SAMPLE CONDITION: Page 8 of 83						

Project: Bioventing Confirmation Soil Sampling	Bon L Project Contact:	Terry Snell	Phone: 404-431-0028	E-Mail: tdsnell@bonlatum.com						
Laboratory Name and Address:	E-Mail Reports To Bon L Project Contact and:									
Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340	Terry Snell (tdsnell@bonlatum.com) Janette Courtney (jecourtney@bonlatum.com) Lynn Ellington (LEllington@bonlatum.com)									
Laboratory Project Manager:	Leslie Miller (leslie.miller@amecfw.com)									
Ioana Pacurar Phone 770-457-8177 ext 225	Michael LaPrade (Michael.LaPrade@amecfw.com)									
E-Mail ipacurar@aestasatlanta.com	Tom Watson (TWSquared@comcast.net)									
Requested Turn Around Time:										
5 Business Days										
In Case Of Problems With Samples Contact:	Send Invoice To:	apinvoicess@bonlatum.com								
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	For Approval By:	Terry Snell								
PO # Or Billing Code:	1.2070.25									
DATE	MATRIX CODE*	# G R A B S	# H O U R S	S I G N I F I C A T I V E	SAMPLE ID	SAMPLE INFORMATION	# OF CONTAINERS	ANALYSIS REQUESTED	FOR LAB USE ONLY	REMARKS/ADDITIONAL INFORMATION
11/5/15 17:50	S			X	CS2A-4-S	Bio Conf Soil Sampling	3	Tetrachloroethene Trichloroethene 1,1-Dichloroethane Toluene Ethylbenzene Xylenes, Total Naphthalene	A-	P - PRODUCT
11/5/15 17:45	S			X	CS2A-9-10	Bio Conf Soil Sampling	3		DW - DRINKING WATER	
11/5/15 17:50	S			X	CS2A-19-ZD	Bio Conf Soil Sampling	3		GW - GROUNDWATER	
	S			X	CS2B- NA	Bio Conf Soil Sampling	3		L - NON-AQUEOUS LIQUID	
	S			X	CS2B-	Bio Conf Soil Sampling	3		LW - W MIX	
	S			X	CS2B-	Bio Conf Soil Sampling	3		O - OIL	
	S			X	CS2B-	Bio Conf Soil Sampling	3		OT - OTHER	
	S			X	CS2B-	Bio Conf Soil Sampling	3		P - PRODUCT	
Preservation Used: = Loc 2=HCL 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCL Methanol Sodium Bisulfate										
SAMPLED BY (PRINTED, COMPANY):		SIGNATURE: Angela Bell		COMPANY NAME:		SAMPLED BY (PRINTED, COMPANY):		SIGNATURE:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:		RELINQUISHED BY PRINTED NAME:		RELINQUISHED BY PRINTED NAME:		RELINQUISHED BY PRINTED NAME:		RELINQUISHED BY PRINTED NAME:		ICE:
COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		COMPANY NAME:		pH:
TEMPERATURE:		TEMPERATURE:		TEMPERATURE:		TEMPERATURE:		TEMPERATURE:		SAMPLE CONDITION:
COOLER #:		COOLER #:		COOLER #:		COOLER #:		COOLER #:		Page 9 of 83

Project/Bioventing Confirmation Soil Sampling						Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonalum.com																	
Laboratory Name and Address:						E-Mail Reports To Bon L Project Contact and:																	
Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340						Terry Snell (tdsnell@bonalum.com) Janette Courtney (jcourtney@bonalum.com) Lynn Ellington (LEllington@bonalum.com)																	
Laboratory Project Manager:						Leslie Miller (leslie.miller@amecfw.com) Ioana Pacurar (ipacurar@aesaatlanta.com) Tom Watson (TW/Squared@comcast.net)																	
E-Mail																							
Requested Turn Around Time:																							
5 Business Days																							
In Case Of Problems With Samples Contact:						Send Invoice To: lapinvoices@bonalum.com																	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)						For Approval By: Terry Snell																	
Tom Watson (O: 678-358-6943)						PO # Or Billing Code: 1.2070.25																	
DATE		TIME		MATRIX CODE*	COMP	# S I G N R G A L B E		# H O U R S		SAMPLE ID		SAMPLE INFORMATION											
11/5/15	16:40	S			X						CS1A-4-S	Bio Conf Soil Sampling	3	X	X								
11/5/15	16:45	S			X						CS1A-9-10	Bio Conf Soil Sampling	3	X	X								
11/5/15	17:15	S			X						CS1A-24-2S	Bio Conf Soil Sampling	3	X	X								
11/5/15	17:20	S			X						CS1B-4-S	Bio Conf Soil Sampling	3	X	X								
11/5/15	17:25	S			X						CS1B-9-10	Bio Conf Soil Sampling	3	X	X								
11/5/15	17:35	S			X						CS1B-24-2S	Bio Conf Soil Sampling	3	X	X								
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCL, Methanol, Sodium Bisulfate																							
SAMPLER BY (PRINTED, COMPANY):						SIGNATURE:						SAMPLER BY (PRINTED, COMPANY):				SIGNATURE:							
COMPANY NAME: Anne Foster Wheeler												COMPANY NAME:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME:						RECEIVED BY PRINTED NAME:						DATE/TIME:					
COMPANY NAME:												COMPANY NAME:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME:						RECEIVED BY PRINTED NAME:						DATE/TIME:					
COMPANY NAME:												COMPANY NAME:											
RELINQUISHED BY PRINTED NAME:						DATE/TIME:						RECEIVED BY PRINTED NAME:						DATE/TIME:					
COMPANY NAME:												COMPANY NAME:											
RECEIVED BY LAB PRINTED NAME:						SIGNATURE:						SAMPLE SHIPPED VIA:						TEMPERATURE:					
CUSTODY INTACT						YES						Savannah Log No.:						COOLER #:					
NO												Laboratory Remarks:						SAMPLE CONDITION:					
UNTO LIMITS:						Reviewed:												Page 10 of 83					

CHAIN OF CUSTODY RECORD

BON L MANUFACTURING COMPANY
25 Bonnell St. Newnan, GA 37030

Billing Address:
P.O. Box 2555
Newnan, GA 30264



Project: Bioventing Confirmation Soil Sampling		Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonnell.com	
Laboratory Name and Address:		ANALYSIS REQUESTED	
Analytical Environmental Services 3080 Presidential Drive Atlanta, GA 30340			
Laboratory Project Manager:			
Ioana Pacurar Phone: 770-457-8177 ext 225 E-Mail: ipacurar@aesaatlanta.com			
Requested Turn Around Time:			
5 Business Days			
In Case Of Problems With Samples Contact:			
Leslie Miller (O: 770-421-3321 C: 678-778-7214)			
Send Invoice To: apinvoic@bonnell.com			
For Approval By: Terry Snell			
PO # Or Billing Code		1.2070.25	
DATE		TIME	
MATRIX CODE		COMP	
# G R A B S		# H O U R S	
S I G N A L L E			
11/5/15	1200	S	X
11/5/15	1200	S	X
11/5/15	1200	S	X
11/5/15	1200	S	X
11/5/15	1200	S	X
11/5/15	1200	S	X
Preservation Used: = Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: HCl, Methanol, Sodium Bisulfate			
SAMPLED BY (PRINTED, COMPANY):		SIGNATURE:	
COMPANY NAME: Amy Easter Wheeler		SIGNATURE: Amy Easter Wheeler	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		SIGNATURE:	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		SIGNATURE:	
RELINQUISHED BY PRINTED NAME:		DATE/TIME:	
COMPANY NAME:		SIGNATURE:	
RECEIVED BY LAB PRINTED NAME:		DATE/TIME:	
CUSTODY YES		Savannah Log No.:	
INTACT NO		Laboratory Remarks:	
INTO LIMS:		Reviewed:	
SAMPLE SHIPPED VIA:		SAMPLED BY (PRINTED, COMPANY):	
UPS		COMPANY NAME:	
FEDEX		DATE/TIME:	
CLIENT		SIGNATURE:	
COURIER		DATE/TIME:	
OTHER:		SIGNATURE:	
AIR BILL #:		DATE/TIME:	
COOLER #:		SIGNATURE:	
SAMPLE CONDITION:		DATE/TIME:	
Page 11 of 83			

REMARKS/ADDITIONAL INFORMATION

Standard Turnaround
Standard Turnaround
Standard Turnaround
Standard Turnaround
Standard Turnaround
Standard Turnaround

OF CONTAINERS

Tetrachloroethene
Trichloroethene
1,1-Dichloroethane
Toluene
Ethylbenzene
Xylenes, Total
Naphthalene

L A B I D N U M B E R

FOR LAB USE ONLY

LAB #:

QUOTE #:

MATRIX CODES:

A - AIR

DW - DRINKING WATER

GW - GROUNDWATER

L - NON AQUEOUS LIQUID

LWL - W MIX

O - OIL

OT - OTHER

P - PRODUCT

PW - PROCESS WATER

S - SOIL

SD - SOLID

SL - SLUDGE

ST - STORM WATER

SW - SURFACE WATER

W - WATER

WW - WASTEWATER

Client: Bon L Manufacturing Co.
Project: Bioventing Confirmation Soil Sampling
Lab ID: 1511655

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.

Volatile Organic Compounds Analysis by Method 8260B:

RPD value for Chlorobenzene on sample 1511655-002AMSD was outside advisory control limits. The greater than expected variability was the result of values at or near the reporting limit.

RPD values for 1,1-Dichloroethene, Benzene, Chlorobenzene, Toluene, & Trichloroethene on sample 1511655-011AMSD were outside advisory control limits. The greater than expected variability was the result of values at or near the reporting limit.

Analytical Environmental Services, Inc
Date: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS1A-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 4:40:00 PM
Lab ID:	1511655-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Trichloroethene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Toluene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Tetrachloroethene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Ethylbenzene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Naphthalene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Xylenes, Total	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 11:05	CG
Surr: 4-Bromofluorobenzene	79	70-128		%REC	215765	1	11/11/2015 11:05	CG
Surr: Dibromofluoromethane	93.8	78.2-128		%REC	215765	1	11/11/2015 11:05	CG
Surr: Toluene-d8	91.7	76.5-116		%REC	215765	1	11/11/2015 11:05	CG
PERCENT MOISTURE D2216								
Percent Moisture	6.82	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS1A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 4:45:00 PM
Lab ID: 1511655-002	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Toluene	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Naphthalene	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Xylenes, Total	BRL	5.3		ug/Kg-dry	215765	1	11/11/2015 11:29	CG
Surr: 4-Bromofluorobenzene	85.6	70-128		%REC	215765	1	11/11/2015 11:29	CG
Surr: Dibromofluoromethane	92.8	78.2-128		%REC	215765	1	11/11/2015 11:29	CG
Surr: Toluene-d8	91.7	76.5-116		%REC	215765	1	11/11/2015 11:29	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: CS1A-24-25

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/5/2015 5:15:00 PM

Lab ID: 1511655-003

Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Trichloroethene	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Toluene	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Tetrachloroethene	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Ethylbenzene	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Naphthalene	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Xylenes, Total	BRL	5.0		ug/Kg-dry	215765	1	11/13/2015 13:13	CG
Surr: 4-Bromofluorobenzene	73	70-128		%REC	215765	1	11/13/2015 13:13	CG
Surr: Dibromofluoromethane	91.3	78.2-128		%REC	215765	1	11/13/2015 13:13	CG
Surr: Toluene-d8	91.7	76.5-116		%REC	215765	1	11/13/2015 13:13	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS1B-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:20:00 PM
Lab ID: 1511655-004	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Trichloroethene	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Toluene	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Tetrachloroethene	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Ethylbenzene	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Naphthalene	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Xylenes, Total	BRL	6.5		ug/Kg-dry	215765	1	11/11/2015 14:43	CG
Surr: 4-Bromofluorobenzene	85.1	70-128		%REC	215765	1	11/11/2015 14:43	CG
Surr: Dibromofluoromethane	92.1	78.2-128		%REC	215765	1	11/11/2015 14:43	CG
Surr: Toluene-d8	92	76.5-116		%REC	215765	1	11/11/2015 14:43	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.7	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS1B-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:25:00 PM
Lab ID: 1511655-005	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Trichloroethene	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Toluene	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Tetrachloroethene	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Ethylbenzene	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Naphthalene	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Xylenes, Total	BRL	5.7		ug/Kg-dry	215765	1	11/11/2015 15:07	CG
Surr: 4-Bromofluorobenzene	89.7	70-128		%REC	215765	1	11/11/2015 15:07	CG
Surr: Dibromofluoromethane	94.1	78.2-128		%REC	215765	1	11/11/2015 15:07	CG
Surr: Toluene-d8	89.7	76.5-116		%REC	215765	1	11/11/2015 15:07	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS1B-24-25
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:35:00 PM
Lab ID: 1511655-006	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Trichloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Toluene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Tetrachloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Ethylbenzene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Naphthalene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Xylenes, Total	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 01:50	CG
Surr: 4-Bromofluorobenzene	82.5	70-128		%REC	215765	1	11/12/2015 01:50	CG
Surr: Dibromofluoromethane	98.2	78.2-128		%REC	215765	1	11/12/2015 01:50	CG
Surr: Toluene-d8	91.4	76.5-116		%REC	215765	1	11/12/2015 01:50	CG
PERCENT MOISTURE D2216								
Percent Moisture	18.1	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS2A-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:35:00 PM
Lab ID: 1511655-007	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Trichloroethene	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Toluene	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Tetrachloroethene	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Ethylbenzene	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Naphthalene	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Xylenes, Total	BRL	4.5		ug/Kg-dry	215765	1	11/12/2015 03:48	CG
Surr: 4-Bromofluorobenzene	83	70-128		%REC	215765	1	11/12/2015 03:48	CG
Surr: Dibromofluoromethane	94.6	78.2-128		%REC	215765	1	11/12/2015 03:48	CG
Surr: Toluene-d8	92	76.5-116		%REC	215765	1	11/12/2015 03:48	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.9	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS2A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:45:00 PM
Lab ID: 1511655-008	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B		(SW5035)						
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Trichloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Toluene	5.9	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Tetrachloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Ethylbenzene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Naphthalene	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Xylenes, Total	BRL	4.7		ug/Kg-dry	215765	1	11/12/2015 02:14	CG
Surr: 4-Bromofluorobenzene	85	70-128		%REC	215765	1	11/12/2015 02:14	CG
Surr: Dibromofluoromethane	97.7	78.2-128		%REC	215765	1	11/12/2015 02:14	CG
Surr: Toluene-d8	94	76.5-116		%REC	215765	1	11/12/2015 02:14	CG
PERCENT MOISTURE D2216								
Percent Moisture	20.7	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS2A-19-20
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 5:50:00 PM
Lab ID: 1511655-009	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Trichloroethene	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Toluene	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Tetrachloroethene	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Ethylbenzene	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Naphthalene	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Xylenes, Total	BRL	3.5		ug/Kg-dry	215765	1	11/12/2015 02:37	CG
Surr: 4-Bromofluorobenzene	85	70-128		%REC	215765	1	11/12/2015 02:37	CG
Surr: Dibromofluoromethane	99.2	78.2-128		%REC	215765	1	11/12/2015 02:37	CG
Surr: Toluene-d8	92.1	76.5-116		%REC	215765	1	11/12/2015 02:37	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS3A-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 2:00:00 PM
Lab ID:	1511655-010	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Trichloroethene	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Toluene	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Tetrachloroethene	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Ethylbenzene	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Naphthalene	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Xylenes, Total	BRL	5.8		ug/Kg-dry	215765	1	11/12/2015 03:01	CG
Surr: 4-Bromofluorobenzene	85	70-128		%REC	215765	1	11/12/2015 03:01	CG
Surr: Dibromofluoromethane	98	78.2-128		%REC	215765	1	11/12/2015 03:01	CG
Surr: Toluene-d8	92.6	76.5-116		%REC	215765	1	11/12/2015 03:01	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS3A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 2:05:00 PM
Lab ID: 1511655-011	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Trichloroethene	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Toluene	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Tetrachloroethene	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Ethylbenzene	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Naphthalene	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Xylenes, Total	BRL	5.5		ug/Kg-dry	215872	1	11/12/2015 21:31	CG
Surr: 4-Bromofluorobenzene	84.2	70-128		%REC	215872	1	11/12/2015 21:31	CG
Surr: Dibromofluoromethane	96.1	78.2-128		%REC	215872	1	11/12/2015 21:31	CG
Surr: Toluene-d8	90.4	76.5-116		%REC	215872	1	11/12/2015 21:31	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS3A-14-15
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 2:15:00 PM
Lab ID: 1511655-012	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Trichloroethene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Toluene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Tetrachloroethene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Ethylbenzene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Naphthalene	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Xylenes, Total	BRL	4.2		ug/Kg-dry	215765	1	11/11/2015 22:20	CG
Surr: 4-Bromofluorobenzene	81.1	70-128		%REC	215765	1	11/11/2015 22:20	CG
Surr: Dibromofluoromethane	95.4	78.2-128		%REC	215765	1	11/11/2015 22:20	CG
Surr: Toluene-d8	91.9	76.5-116		%REC	215765	1	11/11/2015 22:20	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.9	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS3B-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 2:25:00 PM
Lab ID: 1511655-013	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Trichloroethene	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Toluene	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Tetrachloroethene	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Ethylbenzene	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Naphthalene	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Xylenes, Total	BRL	6.0		ug/Kg-dry	215765	1	11/11/2015 22:43	CG
Surr: 4-Bromofluorobenzene	82.6	70-128		%REC	215765	1	11/11/2015 22:43	CG
Surr: Dibromofluoromethane	90	78.2-128		%REC	215765	1	11/11/2015 22:43	CG
Surr: Toluene-d8	87.4	76.5-116		%REC	215765	1	11/11/2015 22:43	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.9	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS3B-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 2:30:00 PM
Lab ID: 1511655-014	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Trichloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Toluene	6.6	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Tetrachloroethene	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Ethylbenzene	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Naphthalene	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Xylenes, Total	BRL	4.7		ug/Kg-dry	215765	1	11/11/2015 23:06	CG
Surr: 4-Bromofluorobenzene	88.2	70-128		%REC	215765	1	11/11/2015 23:06	CG
Surr: Dibromofluoromethane	94.9	78.2-128		%REC	215765	1	11/11/2015 23:06	CG
Surr: Toluene-d8	91	76.5-116		%REC	215765	1	11/11/2015 23:06	CG
PERCENT MOISTURE D2216								
Percent Moisture	16.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS3B-13-14
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 2:35:00 PM
Lab ID:	1511655-015	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Trichloroethene	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Toluene	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Tetrachloroethene	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Ethylbenzene	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Naphthalene	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Xylenes, Total	BRL	6.1		ug/Kg-dry	215765	1	11/11/2015 23:30	CG
Surr: 4-Bromofluorobenzene	81.1	70-128		%REC	215765	1	11/11/2015 23:30	CG
Surr: Dibromofluoromethane	91.9	78.2-128		%REC	215765	1	11/11/2015 23:30	CG
Surr: Toluene-d8	91.8	76.5-116		%REC	215765	1	11/11/2015 23:30	CG
PERCENT MOISTURE D2216								
Percent Moisture	22.5	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5A-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 2:55:00 PM
Lab ID: 1511655-016	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Trichloroethene	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Toluene	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Tetrachloroethene	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Ethylbenzene	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Naphthalene	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Xylenes, Total	BRL	4.3		ug/Kg-dry	215765	1	11/11/2015 23:53	CG
Surr: 4-Bromofluorobenzene	87.5	70-128		%REC	215765	1	11/11/2015 23:53	CG
Surr: Dibromofluoromethane	93.4	78.2-128		%REC	215765	1	11/11/2015 23:53	CG
Surr: Toluene-d8	88.5	76.5-116		%REC	215765	1	11/11/2015 23:53	CG
PERCENT MOISTURE D2216								
Percent Moisture	10.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:00:00 PM
Lab ID: 1511655-017	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Toluene	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Naphthalene	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Xylenes, Total	BRL	5.3		ug/Kg-dry	215765	1	11/12/2015 00:16	CG
Surr: 4-Bromofluorobenzene	83.7	70-128		%REC	215765	1	11/12/2015 00:16	CG
Surr: Dibromofluoromethane	88.8	78.2-128		%REC	215765	1	11/12/2015 00:16	CG
Surr: Toluene-d8	91.9	76.5-116		%REC	215765	1	11/12/2015 00:16	CG
PERCENT MOISTURE D2216								
Percent Moisture	18.4	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5A-13-14
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:05:00 PM
Lab ID: 1511655-018	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Trichloroethene	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Toluene	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Tetrachloroethene	15	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Ethylbenzene	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Naphthalene	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Xylenes, Total	BRL	5.2		ug/Kg-dry	215765	1	11/12/2015 00:40	CG
Surr: 4-Bromofluorobenzene	79.5	70-128		%REC	215765	1	11/12/2015 00:40	CG
Surr: Dibromofluoromethane	96.5	78.2-128		%REC	215765	1	11/12/2015 00:40	CG
Surr: Toluene-d8	93.2	76.5-116		%REC	215765	1	11/12/2015 00:40	CG
PERCENT MOISTURE D2216								
Percent Moisture	17.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5B-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:25:00 PM
Lab ID: 1511655-019	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Trichloroethene	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Toluene	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Tetrachloroethene	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Ethylbenzene	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Naphthalene	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Xylenes, Total	BRL	5.1		ug/Kg-dry	215765	1	11/12/2015 01:03	CG
Surr: 4-Bromofluorobenzene	85	70-128		%REC	215765	1	11/12/2015 01:03	CG
Surr: Dibromofluoromethane	96.5	78.2-128		%REC	215765	1	11/12/2015 01:03	CG
Surr: Toluene-d8	92.2	76.5-116		%REC	215765	1	11/12/2015 01:03	CG
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5B-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:35:00 PM
Lab ID: 1511655-020	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Trichloroethene	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Toluene	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Tetrachloroethene	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Ethylbenzene	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Naphthalene	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Xylenes, Total	BRL	4.8		ug/Kg-dry	215765	1	11/12/2015 01:27	CG
Surr: 4-Bromofluorobenzene	83.1	70-128		%REC	215765	1	11/12/2015 01:27	CG
Surr: Dibromofluoromethane	94.1	78.2-128		%REC	215765	1	11/12/2015 01:27	CG
Surr: Toluene-d8	91.6	76.5-116		%REC	215765	1	11/12/2015 01:27	CG
PERCENT MOISTURE D2216								
Percent Moisture	11.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS5B-11-12
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:40:00 PM
Lab ID: 1511655-021	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Trichloroethene	BRL	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Toluene	11	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Tetrachloroethene	13	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Ethylbenzene	BRL	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Naphthalene	BRL	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Xylenes, Total	11	6.9		ug/Kg-dry	215765	1	11/12/2015 03:24	CG
Surr: 4-Bromofluorobenzene	83.9	70-128		%REC	215765	1	11/12/2015 03:24	CG
Surr: Dibromofluoromethane	99	78.2-128		%REC	215765	1	11/12/2015 03:24	CG
Surr: Toluene-d8	93.1	76.5-116		%REC	215765	1	11/12/2015 03:24	CG
PERCENT MOISTURE D2216								
Percent Moisture	22.0	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS8A-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 12:50:00 PM
Lab ID: 1511655-022	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Trichloroethene	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Toluene	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Tetrachloroethene	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Ethylbenzene	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Naphthalene	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Xylenes, Total	BRL	5.7		ug/Kg-dry	215872	1	11/12/2015 22:41	CG
Surr: 4-Bromofluorobenzene	77.4	70-128		%REC	215872	1	11/12/2015 22:41	CG
Surr: Dibromofluoromethane	98.6	78.2-128		%REC	215872	1	11/12/2015 22:41	CG
Surr: Toluene-d8	94.1	76.5-116		%REC	215872	1	11/12/2015 22:41	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS8A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 12:55:00 PM
Lab ID: 1511655-023	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Trichloroethene	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Toluene	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Tetrachloroethene	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Ethylbenzene	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Naphthalene	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Xylenes, Total	BRL	7.6		ug/Kg-dry	215872	1	11/12/2015 23:05	CG
Surr: 4-Bromofluorobenzene	78.1	70-128		%REC	215872	1	11/12/2015 23:05	CG
Surr: Dibromofluoromethane	96.1	78.2-128		%REC	215872	1	11/12/2015 23:05	CG
Surr: Toluene-d8	89.6	76.5-116		%REC	215872	1	11/12/2015 23:05	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.2	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: CS8A-14-15

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/5/2015 1:00:00 PM

Lab ID: 1511655-024

Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	215872	1	11/12/2015 23:28	CG
Trichloroethene	BRL	4.7		ug/Kg-dry	215872	1	11/12/2015 23:28	CG
Toluene	120000	6500		ug/Kg-dry	215860	1000	11/13/2015 16:49	CH
Tetrachloroethene	BRL	4.7		ug/Kg-dry	215872	1	11/12/2015 23:28	CG
Ethylbenzene	6800	3200		ug/Kg-dry	215860	500	11/13/2015 15:57	CH
Naphthalene	5.4	4.7		ug/Kg-dry	215872	1	11/12/2015 23:28	CG
Xylenes, Total	52000	3200		ug/Kg-dry	215860	500	11/13/2015 15:57	CH
Surr: 4-Bromofluorobenzene	91.6	70-128		%REC	215860	500	11/13/2015 15:57	CH
Surr: 4-Bromofluorobenzene	104	70-128		%REC	215872	1	11/12/2015 23:28	CG
Surr: 4-Bromofluorobenzene	87.5	70-128		%REC	215860	1000	11/13/2015 16:49	CH
Surr: Dibromofluoromethane	116	78.2-128		%REC	215860	500	11/13/2015 15:57	CH
Surr: Dibromofluoromethane	90.7	78.2-128		%REC	215872	1	11/12/2015 23:28	CG
Surr: Dibromofluoromethane	119	78.2-128		%REC	215860	1000	11/13/2015 16:49	CH
Surr: Toluene-d8	99.1	76.5-116		%REC	215860	500	11/13/2015 15:57	CH
Surr: Toluene-d8	99.8	76.5-116		%REC	215872	1	11/12/2015 23:28	CG
Surr: Toluene-d8	106	76.5-116		%REC	215860	1000	11/13/2015 16:49	CH
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS8B-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 1:20:00 PM
Lab ID:	1511655-025	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Trichloroethene	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Toluene	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Tetrachloroethene	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Ethylbenzene	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Naphthalene	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Xylenes, Total	BRL	6.3		ug/Kg-dry	215872	1	11/13/2015 12:49	CG
Surr: 4-Bromofluorobenzene	85.6	70-128		%REC	215872	1	11/13/2015 12:49	CG
Surr: Dibromofluoromethane	96.4	78.2-128		%REC	215872	1	11/13/2015 12:49	CG
Surr: Toluene-d8	91.7	76.5-116		%REC	215872	1	11/13/2015 12:49	CG
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS8B-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 1:25:00 PM
Lab ID: 1511655-026	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Trichloroethene	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Toluene	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Tetrachloroethene	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Ethylbenzene	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Naphthalene	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Xylenes, Total	BRL	4.9		ug/Kg-dry	215872	1	11/13/2015 00:15	CG
Surr: 4-Bromofluorobenzene	83.5	70-128		%REC	215872	1	11/13/2015 00:15	CG
Surr: Dibromofluoromethane	96	78.2-128		%REC	215872	1	11/13/2015 00:15	CG
Surr: Toluene-d8	93.7	76.5-116		%REC	215872	1	11/13/2015 00:15	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.2	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS8B-14-15
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 1:30:00 PM
Lab ID:	1511655-027	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Trichloroethene	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Toluene	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Tetrachloroethene	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Ethylbenzene	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Naphthalene	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Xylenes, Total	BRL	5.0		ug/Kg-dry	215872	1	11/13/2015 00:39	CG
Surr: 4-Bromofluorobenzene	80.7	70-128		%REC	215872	1	11/13/2015 00:39	CG
Surr: Dibromofluoromethane	96.5	78.2-128		%REC	215872	1	11/13/2015 00:39	CG
Surr: Toluene-d8	91.5	76.5-116		%REC	215872	1	11/13/2015 00:39	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.5	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS9A-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 11:45:00 AM
Lab ID: 1511655-028	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Trichloroethene	BRL	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Toluene	6.7	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Tetrachloroethene	BRL	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Ethylbenzene	BRL	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Naphthalene	BRL	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Xylenes, Total	6.7	4.2		ug/Kg-dry	215872	1	11/13/2015 01:03	CG
Surr: 4-Bromofluorobenzene	86.4	70-128		%REC	215872	1	11/13/2015 01:03	CG
Surr: Dibromofluoromethane	96.2	78.2-128		%REC	215872	1	11/13/2015 01:03	CG
Surr: Toluene-d8	94.4	76.5-116		%REC	215872	1	11/13/2015 01:03	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.6	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS9A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 11:50:00 AM
Lab ID: 1511655-029	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Toluene	13	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Naphthalene	BRL	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Xylenes, Total	21	5.3		ug/Kg-dry	215872	1	11/13/2015 01:27	CG
Surr: 4-Bromofluorobenzene	88.4	70-128		%REC	215872	1	11/13/2015 01:27	CG
Surr: Dibromofluoromethane	94.8	78.2-128		%REC	215872	1	11/13/2015 01:27	CG
Surr: Toluene-d8	94.1	76.5-116		%REC	215872	1	11/13/2015 01:27	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS9A-13-14
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 11:55:00 AM
Lab ID:	1511655-030	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Trichloroethene	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Toluene	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Tetrachloroethene	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Ethylbenzene	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Naphthalene	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Xylenes, Total	BRL	4.5		ug/Kg-dry	215872	1	11/13/2015 01:50	CG
Surr: 4-Bromofluorobenzene	79.7	70-128		%REC	215872	1	11/13/2015 01:50	CG
Surr: Dibromofluoromethane	98.9	78.2-128		%REC	215872	1	11/13/2015 01:50	CG
Surr: Toluene-d8	91.8	76.5-116		%REC	215872	1	11/13/2015 01:50	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS9B-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 12:05:00 PM
Lab ID:	1511655-031	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Trichloroethene	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Toluene	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Tetrachloroethene	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Ethylbenzene	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Naphthalene	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Xylenes, Total	BRL	5.8		ug/Kg-dry	215872	1	11/13/2015 02:14	CG
Surr: 4-Bromofluorobenzene	84.7	70-128		%REC	215872	1	11/13/2015 02:14	CG
Surr: Dibromofluoromethane	98.4	78.2-128		%REC	215872	1	11/13/2015 02:14	CG
Surr: Toluene-d8	93.3	76.5-116		%REC	215872	1	11/13/2015 02:14	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS9B-9-10
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 12:10:00 PM
Lab ID:	1511655-032	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Trichloroethene	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Toluene	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Tetrachloroethene	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Ethylbenzene	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Naphthalene	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Xylenes, Total	BRL	5.2		ug/Kg-dry	215872	1	11/13/2015 02:37	CG
Surr: 4-Bromofluorobenzene	85	70-128		%REC	215872	1	11/13/2015 02:37	CG
Surr: Dibromofluoromethane	96.2	78.2-128		%REC	215872	1	11/13/2015 02:37	CG
Surr: Toluene-d8	93	76.5-116		%REC	215872	1	11/13/2015 02:37	CG
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: CS9B-13-14

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/5/2015 12:20:00 PM

Lab ID: 1511655-033

Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5035)			
1,1-Dichloroethane	BRL	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Trichloroethene	BRL	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Toluene	24	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Tetrachloroethene	BRL	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Ethylbenzene	BRL	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Naphthalene	BRL	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Xylenes, Total	12	6.1		ug/Kg-dry	215872	1	11/13/2015 03:01	CG
Surr: 4-Bromofluorobenzene	82.2	70-128		%REC	215872	1	11/13/2015 03:01	CG
Surr: Dibromofluoromethane	95.3	78.2-128		%REC	215872	1	11/13/2015 03:01	CG
Surr: Toluene-d8	91	76.5-116		%REC	215872	1	11/13/2015 03:01	CG
PERCENT MOISTURE D2216								
Percent Moisture	22.5	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS10A-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 10:05:00 AM
Lab ID:	1511655-034	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5035)			
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Trichloroethene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Toluene	6.8	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Tetrachloroethene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Ethylbenzene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Naphthalene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Xylenes, Total	9.0	3.8		ug/Kg-dry	215872	1	11/13/2015 03:24	CG
Surr: 4-Bromofluorobenzene	83.8	70-128		%REC	215872	1	11/13/2015 03:24	CG
Surr: Dibromofluoromethane	98.2	78.2-128		%REC	215872	1	11/13/2015 03:24	CG
Surr: Toluene-d8	92.6	76.5-116		%REC	215872	1	11/13/2015 03:24	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.3	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS10A-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 10:10:00 AM
Lab ID: 1511655-035	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Trichloroethene	BRL	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Toluene	5.9	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Tetrachloroethene	BRL	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Ethylbenzene	BRL	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Naphthalene	BRL	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Xylenes, Total	9.4	5.9		ug/Kg-dry	215872	1	11/13/2015 03:48	CG
Surr: 4-Bromofluorobenzene	85.1	70-128		%REC	215872	1	11/13/2015 03:48	CG
Surr: Dibromofluoromethane	99.2	78.2-128		%REC	215872	1	11/13/2015 03:48	CG
Surr: Toluene-d8	95.2	76.5-116		%REC	215872	1	11/13/2015 03:48	CG
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS10A-14-15
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 10:30:00 AM
Lab ID: 1511655-036	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Trichloroethene	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Toluene	9.8	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Tetrachloroethene	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Ethylbenzene	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Naphthalene	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Xylenes, Total	BRL	6.0		ug/Kg-dry	215872	1	11/13/2015 04:11	CG
Surr: 4-Bromofluorobenzene	79.5	70-128		%REC	215872	1	11/13/2015 04:11	CG
Surr: Dibromofluoromethane	99.9	78.2-128		%REC	215872	1	11/13/2015 04:11	CG
Surr: Toluene-d8	95	76.5-116		%REC	215872	1	11/13/2015 04:11	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.5	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS10B-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 10:50:00 AM
Lab ID:	1511655-037	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Trichloroethene	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Toluene	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Tetrachloroethene	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Ethylbenzene	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Naphthalene	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Xylenes, Total	BRL	6.8		ug/Kg-dry	215872	1	11/13/2015 13:36	CG
Surr: 4-Bromofluorobenzene	79.7	70-128		%REC	215872	1	11/13/2015 13:36	CG
Surr: Dibromofluoromethane	92.4	78.2-128		%REC	215872	1	11/13/2015 13:36	CG
Surr: Toluene-d8	92.6	76.5-116		%REC	215872	1	11/13/2015 13:36	CG
PERCENT MOISTURE D2216								
Percent Moisture	17.1	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS10B-9-10
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 10:55:00 AM
Lab ID: 1511655-038	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Trichloroethene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Toluene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Tetrachloroethene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Ethylbenzene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Naphthalene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Xylenes, Total	10	5.1		ug/Kg-dry	215872	1	11/13/2015 14:00	CG
Surr: 4-Bromofluorobenzene	83.7	70-128		%REC	215872	1	11/13/2015 14:00	CG
Surr: Dibromofluoromethane	91.4	78.2-128		%REC	215872	1	11/13/2015 14:00	CG
Surr: Toluene-d8	92.7	76.5-116		%REC	215872	1	11/13/2015 14:00	CG
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS10B-13-14
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 11:15:00 AM
Lab ID: 1511655-039	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Trichloroethene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Toluene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Tetrachloroethene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Ethylbenzene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Naphthalene	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Xylenes, Total	BRL	5.1		ug/Kg-dry	215872	1	11/13/2015 14:24	CG
Surr: 4-Bromofluorobenzene	88.1	70-128		%REC	215872	1	11/13/2015 14:24	CG
Surr: Dibromofluoromethane	95.5	78.2-128		%REC	215872	1	11/13/2015 14:24	CG
Surr: Toluene-d8	91.9	76.5-116		%REC	215872	1	11/13/2015 14:24	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS11-15-15.5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/5/2015 2:45:00 PM
Lab ID:	1511655-040	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Trichloroethene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Toluene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Tetrachloroethene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Ethylbenzene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Naphthalene	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Xylenes, Total	BRL	3.8		ug/Kg-dry	215872	1	11/13/2015 14:47	CG
Surr: 4-Bromofluorobenzene	79	70-128		%REC	215872	1	11/13/2015 14:47	CG
Surr: Dibromofluoromethane	93.8	78.2-128		%REC	215872	1	11/13/2015 14:47	CG
Surr: Toluene-d8	95.8	76.5-116		%REC	215872	1	11/13/2015 14:47	CG
PERCENT MOISTURE D2216								
Percent Moisture	2.96	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS12-13-14
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 3:50:00 PM
Lab ID: 1511655-041	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5035)			
1,1-Dichloroethane	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Trichloroethene	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Toluene	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Tetrachloroethene	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Ethylbenzene	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Naphthalene	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Xylenes, Total	BRL	4.9		ug/Kg-dry	215839	1	11/13/2015 15:34	CG
Surr: 4-Bromofluorobenzene	80.4	70-128		%REC	215839	1	11/13/2015 15:34	CG
Surr: Dibromofluoromethane	98.4	78.2-128		%REC	215839	1	11/13/2015 15:34	CG
Surr: Toluene-d8	91.8	76.5-116		%REC	215839	1	11/13/2015 15:34	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: DUP-1
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 12:00:00 PM
Lab ID: 1511655-042	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Trichloroethene	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Toluene	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Tetrachloroethene	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Ethylbenzene	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Naphthalene	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Xylenes, Total	BRL	5.1		ug/Kg-dry	215839	1	11/13/2015 15:11	CG
Surr: 4-Bromofluorobenzene	81.2	70-128		%REC	215839	1	11/13/2015 15:11	CG
Surr: Dibromofluoromethane	89.1	78.2-128		%REC	215839	1	11/13/2015 15:11	CG
Surr: Toluene-d8	91	76.5-116		%REC	215839	1	11/13/2015 15:11	CG
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: DUP-2
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/5/2015 12:00:00 PM
Lab ID: 1511655-043	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Trichloroethene	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Toluene	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Tetrachloroethene	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Ethylbenzene	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Naphthalene	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Xylenes, Total	BRL	5.8		ug/Kg-dry	215839	1	11/13/2015 15:58	CG
Surr: 4-Bromofluorobenzene	81.6	70-128		%REC	215839	1	11/13/2015 15:58	CG
Surr: Dibromofluoromethane	93.4	78.2-128		%REC	215839	1	11/13/2015 15:58	CG
Surr: Toluene-d8	92.6	76.5-116		%REC	215839	1	11/13/2015 15:58	CG
PERCENT MOISTURE D2216								
Percent Moisture	21.4	0		wt%	R304258	1	11/12/2015 12:00	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: 17-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: TRIP BLANK #1

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/6/2015

Lab ID: 1511655-044

Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)				
1,1-Dichloroethane	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Ethylbenzene	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Naphthalene	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Tetrachloroethene	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Toluene	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Trichloroethene	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Xylenes, Total	BRL	5.0		ug/L	215757	1	11/11/2015 11:48	JE
Surr: 4-Bromofluorobenzene	97.8	70.7-125		%REC	215757	1	11/11/2015 11:48	JE
Surr: Dibromofluoromethane	95.6	82.2-120		%REC	215757	1	11/11/2015 11:48	JE
Surr: Toluene-d8	99.5	81.8-120		%REC	215757	1	11/11/2015 11:48	JE

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: 17-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: TRIP BLANK #2

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/6/2015

Lab ID: 1511655-045

Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)				
1,1-Dichloroethane	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Ethylbenzene	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Naphthalene	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Tetrachloroethene	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Toluene	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Trichloroethene	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Xylenes, Total	BRL	5.0		ug/L	215757	1	11/11/2015 12:12	JE
Surr: 4-Bromofluorobenzene	96.9	70.7-125		%REC	215757	1	11/11/2015 12:12	JE
Surr: Dibromofluoromethane	96.7	82.2-120		%REC	215757	1	11/11/2015 12:12	JE
Surr: Toluene-d8	99.4	81.8-120		%REC	215757	1	11/11/2015 12:12	JE

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 BON L Work Order Number 1571653

Checklist completed by Mumukshu 11/6/2015
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? ($0^{\circ} \leq 6^{\circ}C$) * Yes ☒ No ☐

Cooler #1 3.6°C Cooler #2 3.4°C 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.

\\Aes_server\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT**BatchID: 215757**

Sample ID: MB-215757	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
Sample Type: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509044							
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									
1,4-Dioxane	BRL	150									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215757

Sample ID: MB-215757	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509044							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	5.0									
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									
Ethanol	BRL	100									
Ethyl acetate	BRL	50									
Ethylbenzene	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		

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215757

Sample ID: MB-215757	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509044							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Iodomethane	BRL	10									
iso-Butyraldehyde	BRL	10									
Isobutyl Alcohol	BRL	200									
Isopropyl acetate	BRL	10									
Isopropyl alcohol	BRL	100									
Isopropyl ether	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl formate	BRL	100									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
n-Amyl acetate	BRL	10									
n-Butyl acetate	BRL	10									
n-Butylbenzene	BRL	5.0									
n-Heptane	BRL	10									N
n-Hexane	BRL	10									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215757

Sample ID: MB-215757	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509044							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Tetrahydrofuran	BRL	10									
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	48.36	0	50.00			96.7	70.7	125			
Surr: Dibromofluoromethane	49.39	0	50.00			98.8	82.2	120			
Surr: Toluene-d8	48.30	0	50.00			96.6	81.8	120			

Sample ID: LCS-215757	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509042							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	59.65	5.0	50.00			119	64.2	137			
Benzene	51.70	5.0	50.00			103	72.8	128			
Chlorobenzene	51.63	5.0	50.00			103	72.3	126			
Toluene	52.81	5.0	50.00			106	74.9	127			
Trichloroethene	55.52	5.0	50.00			111	70.5	134			
Surr: 4-Bromofluorobenzene	47.18	0	50.00			94.4	70.7	125			
Surr: Dibromofluoromethane	47.37	0	50.00			94.7	82.2	120			
Surr: Toluene-d8	47.07	0	50.00			94.1	81.8	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		

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215757

Sample ID: 1511916-002AMS	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/10/2015	Seq No: 6509056							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	442900	50000	500000		88.6	60.5	156				
Benzene	488600	50000	500000		97.7	70	135				
Chlorobenzene	487200	50000	500000		97.4	70.5	132				
Toluene	497000	50000	500000		99.4	70.5	137				
Trichloroethene	523700	50000	500000		105	71.8	139				
Surr: 4-Bromofluorobenzene	482700	0	500000		96.5	70.7	125				
Surr: Dibromofluoromethane	492900	0	500000		98.6	82.2	120				
Surr: Toluene-d8	478400	0	500000		95.7	81.8	120				

Sample ID: 1511916-002AMSD	Client ID:	Units: ug/L	Prep Date: 11/10/2015	Run No: 304058							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215757	Analysis Date: 11/11/2015	Seq No: 6509057							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	528200	50000	500000		106	60.5	156	442900	17.6	20	
Benzene	463200	50000	500000		92.6	70	135	488600	5.34	20	
Chlorobenzene	478000	50000	500000		95.6	70.5	132	487200	1.91	20	
Toluene	478300	50000	500000		95.7	70.5	137	497000	3.83	20	
Trichloroethene	489300	50000	500000		97.9	71.8	139	523700	6.79	20	
Surr: 4-Bromofluorobenzene	467100	0	500000		93.4	70.7	125	482700	0	0	
Surr: Dibromofluoromethane	491500	0	500000		98.3	82.2	120	492900	0	0	
Surr: Toluene-d8	468100	0	500000		93.6	81.8	120	478400	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215765

Sample ID: MB-215765	Client ID:	Units: ug/Kg	Prep Date: 11/10/2015	Run No: 304083							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215765	Analysis Date: 11/10/2015	Seq No: 6509656							
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									
1,1,1,1-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									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	50									
2-Chloroethyl vinyl ether	BRL	10									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	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		

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215765

Sample ID: MB-215765	Client ID:	Units: ug/Kg	Prep Date: 11/10/2015	Run No: 304083							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215765	Analysis Date: 11/10/2015	Seq No: 6509656							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	5.0									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Acrolein	BRL	50									
Acrylonitrile	BRL	50									
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	10									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215765

Sample ID: MB-215765	Client ID:	Units: ug/Kg				Prep Date: 11/10/2015	Run No: 304083				
Sample Type: MBLK	Test Code:	Volatile Organic Compounds by GC/MS SW8260B				BatchID: 215765	Seq No: 6509656				
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Iodomethane	BRL	10									
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	20									
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	10									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	43.35	0	50.00		86.7	70	128				
Surr: Dibromofluoromethane	47.32	0	50.00		94.6	78.2	128				
Surr: Toluene-d8	44.00	0	50.00		88.0	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215765

Sample ID: LCS-215765	Client ID:	Units: ug/Kg	Prep Date: 11/10/2015	Run No: 304083							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215765	Analysis Date: 11/11/2015	Seq No: 6509712							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	66.14	5.0	50.00		132	69.9	145				
Benzene	48.57	5.0	50.00		97.1	72.3	130				
Chlorobenzene	44.19	5.0	50.00		88.4	69	130				
Toluene	51.33	5.0	50.00		103	71.1	130				
Trichloroethene	51.56	5.0	50.00		103	71.7	136				
Surr: 4-Bromofluorobenzene	37.77	0	50.00		75.5	70	128				
Surr: Dibromofluoromethane	47.98	0	50.00		96.0	78.2	128				
Surr: Toluene-d8	44.71	0	50.00		89.4	76.5	116				

Sample ID: 1511655-002AMS	Client ID: CS1A-9-10	Units: ug/Kg-dry	Prep Date: 11/10/2015	Run No: 304171							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215765	Analysis Date: 11/11/2015	Seq No: 6512166							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	52.00	5.5	54.52		95.4	56.6	151				
Benzene	44.80	5.5	54.52		82.2	70.4	130				
Chlorobenzene	44.82	5.5	54.52		82.2	67.5	132				
Toluene	50.10	5.5	54.52	5.705	81.4	70.4	130				
Trichloroethene	47.04	5.5	54.52		86.3	70.1	137				
Surr: 4-Bromofluorobenzene	46.02	0	54.52		84.4	70	128				
Surr: Dibromofluoromethane	49.20	0	54.52		90.2	78.2	128				
Surr: Toluene-d8	49.38	0	54.52		90.6	76.5	116				

Sample ID: 1511655-002AMSD	Client ID: CS1A-9-10	Units: ug/Kg-dry	Prep Date: 11/10/2015	Run No: 304171							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215765	Analysis Date: 11/11/2015	Seq No: 6512167							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	50.04	5.8	58.31		85.8	56.6	151	52.00	3.85	20.4	
Benzene	42.70	5.8	58.31		73.2	70.4	130	44.80	4.78	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT
BatchID: 215765

Sample ID: 1511655-002AMSD	Client ID: CS1A-9-10	Units: ug/Kg-dry	Prep Date: 11/10/2015	Run No: 304171							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215765	Analysis Date: 11/11/2015	Seq No: 6512167							
Analyte	Result	RPT Limit	SPK value	SPK Ref'Val	%REC	Low Limit	High Limit	RPD Ref'Val	%RPD	RPD Limit	Qual

Chlorobenzene	38.20	5.8	58.31		65.5	67.5	132	44.82	15.9	14.6	SR
Toluene	51.49	5.8	58.31	5.705	78.5	70.4	130	50.10	2.74	16.6	
Trichloroethene	42.86	5.8	58.31		73.5	70.1	137	47.04	9.31	17	
Surr: 4-Bromofluorobenzene	48.55	0	58.31		83.3	70	128	46.02	0	0	
Surr: Dibromofluoromethane	53.15	0	58.31		91.2	78.2	128	49.20	0	0	
Surr: Toluene-d8	52.85	0	58.31		90.6	76.5	116	49.38	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215839

Sample ID: MB-215839	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304199							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515856							
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									
1,1,1,1-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									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	50									
2-Chloroethyl vinyl ether	BRL	10									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	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		

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215839

Sample ID: MB-215839	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304199							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515856							
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									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Acrolein	BRL	50									
Acrylonitrile	BRL	50									
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	10									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215839

Sample ID: MB-215839	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304199							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515856							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Iodomethane	BRL	10									
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	20									
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	10									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	40.25	0	50.00		80.5	70	128				
Surr: Dibromofluoromethane	53.22	0	50.00		106	78.2	128				
Surr: Toluene-d8	47.50	0	50.00		95.0	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215839

Sample ID: LCS-215839	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304199							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515857							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	58.35	5.0	50.00		117	69.9	145				
Benzene	48.98	5.0	50.00		98.0	72.3	130				
Chlorobenzene	49.81	5.0	50.00		99.6	69	130				
Toluene	51.98	5.0	50.00		104	71.1	130				
Trichloroethene	53.20	5.0	50.00		106	71.7	136				
Surr: 4-Bromofluorobenzene	40.65	0	50.00		81.3	70	128				
Surr: Dibromofluoromethane	47.45	0	50.00		94.9	78.2	128				
Surr: Toluene-d8	44.32	0	50.00		88.6	76.5	116				

Sample ID: 1511748-002AMS	Client ID:	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304199							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515859							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	79.29	6.6	66.13		120	56.6	151				
Benzene	65.24	6.6	66.13		98.7	70.4	130				
Chlorobenzene	64.37	6.6	66.13		97.3	67.5	132				
Toluene	69.49	6.6	66.13		105	70.4	130				
Trichloroethene	72.61	6.6	66.13		110	70.1	137				
Surr: 4-Bromofluorobenzene	55.54	0	66.13		84.0	70	128				
Surr: Dibromofluoromethane	61.38	0	66.13		92.8	78.2	128				
Surr: Toluene-d8	60.31	0	66.13		91.2	76.5	116				

Sample ID: 1511748-002AMSD	Client ID:	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304199							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515860							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	79.57	6.6	66.13		120	56.6	151	79.29	0.350	20.4	
Benzene	68.41	6.6	66.13		103	70.4	130	65.24	4.73	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215839

Sample ID: 1511748-002AMSD	Client ID:	Units: ug/K-g-dry	Prep Date: 11/12/2015	Run No: 304199							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215839	Analysis Date: 11/12/2015	Seq No: 6515860							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	64.64	6.6	66.13	64.37	97.7	67.5	132	64.37	0.410	14.6	
Toluene	73.33	6.6	66.13		111	70.4	130	69.49	5.37	16.6	
Trichloroethene	74.04	6.6	66.13		112	70.1	137	72.61	1.95	17	
Surr: 4-Bromofluorobenzene	52.80	0	66.13		79.8	70	128	55.54	0	0	
Surr: Dibromofluoromethane	61.98	0	66.13		93.7	78.2	128	61.38	0	0	
Surr: Toluene-d8	60.26	0	66.13		91.1	76.5	116	60.31	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		

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Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215860

Sample ID: MB-215860	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304211							
Sample Type: MBLK	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518768							
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									
1,1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,1-Dichloropropene	BRL	250									
1,2,3-Trichlorobenzene	BRL	250									
1,2,3-Trichloropropane	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2,4-Trimethylbenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloroethene, Total	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3,5-Trimethylbenzene	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,3-Dichloropropane	BRL	250									
1,4-Dichlorobenzene	BRL	250									
1,4-Dioxane	BRL	7500									
2,2-Dichloropropane	BRL	250									
2-Butanone	BRL	2500									
2-Chloroethyl vinyl ether	BRL	500									
2-Chlorotoluene	BRL	250									
2-Hexanone	BRL	500									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215860

Sample ID: MB-215860	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304211							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518768							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	250									
4-Isopropyltoluene	BRL	250									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Acrolein	BRL	2500									
Acrylonitrile	BRL	2500									
Benzene	BRL	250									
Bromobenzene	BRL	250									
Bromochloromethane	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dibromomethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Hexachlorobutadiene	BRL	250									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215860

Sample ID: MB-215860	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304211							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518768							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Iodomethane	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
n-Butylbenzene	BRL	250									
n-Propylbenzene	BRL	250									
Naphthalene	BRL	250									
o-Xylene	BRL	250									
sec-Butylbenzene	BRL	250									
Styrene	BRL	250									
tert-Butylbenzene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
trans-1,4-Dichloro-2-butene	BRL	500									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl acetate	BRL	500									
Vinyl chloride	BRL	500									
Xylenes, Total	BRL	250									
Surr: 4-Bromofluorobenzene	1942	0	2500		77.7	70	128				
Surr: Dibromofluoromethane	2906	0	2500		116	78.2	128				
Surr: Toluene-d8	2404	0	2500		96.2	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215860

Sample ID: LCS-215860	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304211							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518769							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2556	250	2500		102	69.9	145				
Benzene	2810	250	2500		112	72.3	130				
Chlorobenzene	2784	250	2500		111	69	130				
Toluene	2732	250	2500		109	71.1	130				
Trichloroethene	2820	250	2500		113	71.7	136				
Surr: 4-Bromofluorobenzene	2044	0	2500		81.8	70	128				
Surr: Dibromofluoromethane	2704	0	2500		108	78.2	128				
Surr: Toluene-d8	2511	0	2500		100	76.5	116				

Sample ID: 1511B80-001AMS	Client ID:	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304211							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518771							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2756	220	2229		124	56.6	151				
Benzene	2375	220	2229		107	70.4	130				
Chlorobenzene	2402	220	2229		108	67.5	132				
Toluene	2212	220	2229		99.2	70.4	130				
Trichloroethene	2612	220	2229	202.9	108	70.1	137				
Surr: 4-Bromofluorobenzene	1862	0	2229		83.5	70	128				
Surr: Dibromofluoromethane	2185	0	2229		98.0	78.2	128				
Surr: Toluene-d8	2083	0	2229		93.4	76.5	116				

Sample ID: 1511B80-001AMSD	Client ID:	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304211							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518772							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2679	220	2229		120	56.6	151	2756	2.85	20.4	
Benzene	2420	220	2229		109	70.4	130	2375	1.88	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215860

Sample ID: 1511B80-001AMSD	Client ID:	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304211
SampleType: MSD	TestCode: MSD	BatchID: 215860	Analysis Date: 11/12/2015	Seq No: 6518772
Analyte	Volatile Organic Compounds by GC/MS		SW8260B	
	Result	RPT Limit	SPK value	SPK Ref Val
		%REC	Low Limit	High Limit
		RPD Ref'Val	%RPD	RPD Limit
				Qual

Chlorobenzene	2361	220	2229		106	67.5	132	2402	1.74	14.6	
Toluene	2256	220	2229		101	70.4	130	2212	1.94	16.6	
Trichloroethene	2605	220	2229	202.9	108	70.1	137	2612	0.256	17	
Surr: 4-Bromofluorobenzene	1876	0	2229		84.1	70	128	1862	0	0	
Surr: Dibromofluoromethane	2138	0	2229		95.9	78.2	128	2185	0	0	
Surr: Toluene-d8	2108	0	2229		94.5	76.5	116	2083	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215872

Sample ID: MB-215872	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304297							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS	BatchID: 215872	Analysis Date: 11/12/2015	Seq No: 6515322							
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									
1,1,1,1-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									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	50									
2-Chloroethyl vinyl ether	BRL	10									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	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		

Analytical Environmental Services, Inc

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215872

Sample ID: MB-215872	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304297							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215872	Analysis Date: 11/12/2015	Seq No: 6515322							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	5.0									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Acrolein	BRL	50									
Acrylonitrile	BRL	50									
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	10									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215872

Sample ID: MB-215872	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304297							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS	BatchID: 215872	Analysis Date: 11/12/2015	Seq No: 6515322							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iodomethane	BRL	10									
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	20									
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	10									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	38.28	0	50.00		76.6	70	128				
Surr: Dibromofluoromethane	50.68	0	50.00		101	78.2	128				
Surr: Toluene-d8	45.22	0	50.00		90.4	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215872

Sample ID: LCS-215872	Client ID:	Units: ug/Kg	Prep Date: 11/12/2015	Run No: 304297							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215872	Analysis Date: 11/12/2015	Seq No: 6515332							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	66.06	5.0	50.00		132	69.9	145				
Benzene	49.75	5.0	50.00		99.5	72.3	130				
Chlorobenzene	46.43	5.0	50.00		92.9	69	130				
Toluene	50.82	5.0	50.00		102	71.1	130				
Trichloroethene	50.90	5.0	50.00		102	71.7	136				
Surr: 4-Bromofluorobenzene	38.44	0	50.00		76.9	70	128				
Surr: Dibromofluoromethane	48.58	0	50.00		97.2	78.2	128				
Surr: Toluene-d8	45.20	0	50.00		90.4	76.5	116				

Sample ID: 1511655-011AMS	Client ID: CS3A-9-10	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304340							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215872	Analysis Date: 11/13/2015	Seq No: 6516126							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	55.23	5.6	56.01		98.6	56.6	151				
Benzene	48.76	5.6	56.01		87.1	70.4	130				
Chlorobenzene	48.37	5.6	56.01		86.4	67.5	132				
Toluene	57.94	5.6	56.01	3.065	98.0	70.4	130				
Trichloroethene	52.19	5.6	56.01		93.2	70.1	137				
Surr: 4-Bromofluorobenzene	46.97	0	56.01		83.9	70	128				
Surr: Dibromofluoromethane	50.57	0	56.01		90.3	78.2	128				
Surr: Toluene-d8	50.42	0	56.01		90.0	76.5	116				

Sample ID: 1511655-011AMSD	Client ID: CS3A-9-10	Units: ug/Kg-dry	Prep Date: 11/12/2015	Run No: 304340							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215872	Analysis Date: 11/13/2015	Seq No: 6516127							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	38.89	4.5	45.38		85.7	56.6	151	55.23	34.7	20.4	R
Benzene	33.63	4.5	45.38		74.1	70.4	130	48.76	36.7	16.9	R

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	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

Date: 17-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511655

ANALYTICAL QC SUMMARY REPORT

BatchID: 215872

Sample ID: 1511655-011AMSD	Client ID: CS3A-9-10	Units: ug/K-g-dry	Prep Date: 11/12/2015	Run No: 304340							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215872	Analysis Date: 11/13/2015	Seq No: 6516127							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	31.97	4.5	45.38		70.4	67.5	132	48.37	40.8	14.6	R
Toluene	38.79	4.5	45.38	3.065	78.7	70.4	130	57.94	39.6	16.6	R
Trichloroethene	36.70	4.5	45.38		80.9	70.1	137	52.19	34.9	17	R
Surr: 4-Bromofluorobenzene	39.95	0	45.38		88.0	70	128	46.97	0	0	
Surr: Dibromofluoromethane	41.08	0	45.38		90.5	78.2	128	50.57	0	0	
Surr: Toluene-d8	40.41	0	45.38		89.0	76.5	116	50.42	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		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 18, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Bioventing Confirmation Soil Sampling

Dear Terry D. Snell:

Order No: 1511855

Analytical Environmental Services, Inc. received 12 samples on 11/10/2015 8:05:00 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:

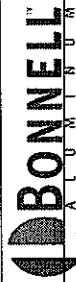
- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, 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
Project Manager

Billing Address:
P.O. Box 2555
Newnan, GA 302



PAGE: 6 OF 13

Project: Bioventing Confirmation Soil Sampling										Bon L Project Contact: Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlatum.com									
E-Mail Reports To Bon L Project Contact and:										ANALYSIS REQUESTED									
Laboratory Name and Address:										FOR LAB USE ONLY									
Analytical Environmental Services										LAB #									
3080 Presidential Drive										QUOTE #									
Atlanta, GA 30340										MATRIX CODES:									
Laboratory Project Manager:										A - AIR									
Ioana Pacurar Phone 770-457-8177 ext 225										DW - DRINKING WATER									
E-Mail ipacurar@aesatlanta.com										GW - GROUNDWATER									
										L - NON AQUEOUS LIQUID									
										LW - W MIX									
										O - OIL									
										OT - OTHER									
										P - PRODUCT									
										PW - PROCESS WATER									
										S - SOIL									
										SD - SOLID									
										SL - SLUDGE									
										ST - STORM WATER									
										SW - SURFACE WATER									
										W - WATER									
										WW - WASTEWATER									
Requested Turn Around Time:										REMARKS/ADDITIONAL INFORMATION									
5 Business Days																			
In Case Of Problems With Samples Contact:																			
Leslie Miller (O: 770-421-3321 C: 678-778-7214)																			
Tom Watson (O: 678-358-6943)																			
Send Invoice To:																			
For Approval By: Terry Snell																			
PO # Or Billing Code: 1.2070.25																			
SAMPLE INFORMATION																			
SAMPLE ID																			
DATE																			
TIME																			
MATRIX CODE*																			
COMP																			
# G R A S																			
# H O U R S																			
I G N R G A L B E																			
X																			
CS6A-4-5																			
X																			
CS6A-8-9																			
X																			
CS6A																			
X																			
CS6B-4-5																			
X																			
CS6B-8-9																			
X																			
CS6B																			
X																			
HCL, Methanol, Sodium Disulfate																			
Preservation Used: = Ice 2=HCL 3=H2SO4 4=HNO3 5=NaOH 6=Other:																			
SAMPLER BY (PRINTED, COMPANY):										SAMPLER BY (PRINTED, COMPANY):									
Angela Bolder										Angela Bolder									
COMPANY NAME: Amec Foster Wheeler										COMPANY NAME: Amec Foster Wheeler									
RELINQUISHED BY PRINTED NAME: Angela Bolder										RELINQUISHED BY PRINTED NAME: Angela Bolder									
COMPANY NAME: Amec Foster Wheeler										COMPANY NAME: Amec Foster Wheeler									
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COMPANY NAME:										COMPANY NAME:									
RECEIVED BY LAB PRINTED NAME:										RECEIVED BY LAB PRINTED NAME:									
Savannah Log No:										Savannah Log No:									
YES										YES									
NO										NO									
INTACT										INTACT									
Reviewed:										Reviewed:									
Page 6 of 20										Page 6 of 20									

Client: Bon L Manufacturing Co.
Project: Bioventing Confirmation Soil Sampling
Lab ID: 1511855

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.

Samples for AES work order 1511855 were received without ice; however, they were transported with ice and were cool upon arrival. Per sample receiving SOP, "Samples are considered acceptable if evidence shows that the chilling process has begun."

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.

Client Sample ID: CS4A-4-5

Project Name: Bioventing Confirmation Soil Sampling

Collection Date: 11/9/2015 2:55:00 PM

Lab ID: 1511855-001

Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Trichloroethene	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Toluene	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Tetrachloroethene	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Ethylbenzene	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Naphthalene	BRL	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Xylenes, Total	6.5	5.4		ug/Kg-dry	215949	1	11/13/2015 22:47	CG
Surr: 4-Bromofluorobenzene	87.8	70-128		%REC	215949	1	11/13/2015 22:47	CG
Surr: Dibromofluoromethane	88.1	78.2-128		%REC	215949	1	11/13/2015 22:47	CG
Surr: Toluene-d8	86.8	76.5-116		%REC	215949	1	11/13/2015 22:47	CG
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS4A-8-9
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 3:00:00 PM
Lab ID: 1511855-002	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Trichloroethene	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Toluene	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Tetrachloroethene	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Ethylbenzene	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Naphthalene	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Xylenes, Total	BRL	4.6		ug/Kg-dry	215949	1	11/13/2015 23:10	CG
Surr: 4-Bromofluorobenzene	83.3	70-128		%REC	215949	1	11/13/2015 23:10	CG
Surr: Dibromofluoromethane	93.3	78.2-128		%REC	215949	1	11/13/2015 23:10	CG
Surr: Toluene-d8	90.4	76.5-116		%REC	215949	1	11/13/2015 23:10	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS4B-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 2:40:00 PM
Lab ID: 1511855-003	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Toluene	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Naphthalene	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Xylenes, Total	BRL	5.3		ug/Kg-dry	215949	1	11/13/2015 23:34	CG
Surr: 4-Bromofluorobenzene	86	70-128		%REC	215949	1	11/13/2015 23:34	CG
Surr: Dibromofluoromethane	94.4	78.2-128		%REC	215949	1	11/13/2015 23:34	CG
Surr: Toluene-d8	89.6	76.5-116		%REC	215949	1	11/13/2015 23:34	CG
PERCENT MOISTURE D2216								
Percent Moisture	9.93	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS4B-8-9
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 2:50:00 PM
Lab ID: 1511855-004	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Trichloroethene	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Toluene	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Tetrachloroethene	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Ethylbenzene	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Naphthalene	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Xylenes, Total	BRL	5.2		ug/Kg-dry	215949	1	11/13/2015 23:58	CG
Surr: 4-Bromofluorobenzene	83.8	70-128		%REC	215949	1	11/13/2015 23:58	CG
Surr: Dibromofluoromethane	95.2	78.2-128		%REC	215949	1	11/13/2015 23:58	CG
Surr: Toluene-d8	93.4	76.5-116		%REC	215949	1	11/13/2015 23:58	CG
PERCENT MOISTURE D2216								
Percent Moisture	17.1	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: DUP-3
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 12:00:00 PM
Lab ID: 1511855-005	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Trichloroethene	BRL	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Toluene	190	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Tetrachloroethene	BRL	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Ethylbenzene	BRL	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Naphthalene	BRL	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Xylenes, Total	27	5.3		ug/Kg-dry	215949	1	11/14/2015 00:21	CG
Surr: 4-Bromofluorobenzene	91.3	70-128		%REC	215949	1	11/14/2015 00:21	CG
Surr: Dibromofluoromethane	96.7	78.2-128		%REC	215949	1	11/14/2015 00:21	CG
Surr: Toluene-d8	91.5	76.5-116		%REC	215949	1	11/14/2015 00:21	CG
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS7A-4-4.5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 3:55:00 PM
Lab ID: 1511855-006	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Trichloroethene	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Toluene	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Tetrachloroethene	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Ethylbenzene	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Naphthalene	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Xylenes, Total	BRL	4.7		ug/Kg-dry	215949	1	11/14/2015 00:45	CG
Surr: 4-Bromofluorobenzene	83.2	70-128		%REC	215949	1	11/14/2015 00:45	CG
Surr: Dibromofluoromethane	95.6	78.2-128		%REC	215949	1	11/14/2015 00:45	CG
Surr: Toluene-d8	91.4	76.5-116		%REC	215949	1	11/14/2015 00:45	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.2	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS7B-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 4:15:00 PM
Lab ID: 1511855-007	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Trichloroethene	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Toluene	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Tetrachloroethene	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Ethylbenzene	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Naphthalene	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Xylenes, Total	BRL	3.8		ug/Kg-dry	215949	1	11/14/2015 01:08	CG
Surr: 4-Bromofluorobenzene	84.1	70-128		%REC	215949	1	11/14/2015 01:08	CG
Surr: Dibromofluoromethane	93.8	78.2-128		%REC	215949	1	11/14/2015 01:08	CG
Surr: Toluene-d8	90.6	76.5-116		%REC	215949	1	11/14/2015 01:08	CG
PERCENT MOISTURE D2216								
Percent Moisture	10.5	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS6A-4-5
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 3:25:00 PM
Lab ID: 1511855-008	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Trichloroethene	BRL	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Toluene	110	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Tetrachloroethene	BRL	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Ethylbenzene	BRL	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Naphthalene	BRL	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Xylenes, Total	14	4.8		ug/Kg-dry	215949	1	11/14/2015 01:32	CG
Surr: 4-Bromofluorobenzene	88.3	70-128		%REC	215949	1	11/14/2015 01:32	CG
Surr: Dibromofluoromethane	95.2	78.2-128		%REC	215949	1	11/14/2015 01:32	CG
Surr: Toluene-d8	90	76.5-116		%REC	215949	1	11/14/2015 01:32	CG
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS6A-8-9
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 3:30:00 PM
Lab ID: 1511855-009	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Trichloroethene	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Toluene	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Tetrachloroethene	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Ethylbenzene	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Naphthalene	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Xylenes, Total	BRL	4.5		ug/Kg-dry	215949	1	11/14/2015 01:56	CG
Surr: 4-Bromofluorobenzene	82.8	70-128		%REC	215949	1	11/14/2015 01:56	CG
Surr: Dibromofluoromethane	97.7	78.2-128		%REC	215949	1	11/14/2015 01:56	CG
Surr: Toluene-d8	96.2	76.5-116		%REC	215949	1	11/14/2015 01:56	CG
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client:	Bon L Manufacturing Co.	Client Sample ID:	CS6B-4-5
Project Name:	Bioventing Confirmation Soil Sampling	Collection Date:	11/9/2015 3:10:00 PM
Lab ID:	1511855-010	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5035)				
1,1-Dichloroethane	BRL	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Trichloroethene	BRL	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Toluene	39	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Tetrachloroethene	BRL	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Ethylbenzene	BRL	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Naphthalene	BRL	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Xylenes, Total	10	5.1		ug/Kg-dry	215949	1	11/14/2015 02:19	CG
Surr: 4-Bromofluorobenzene	86.1	70-128		%REC	215949	1	11/14/2015 02:19	CG
Surr: Dibromofluoromethane	92.6	78.2-128		%REC	215949	1	11/14/2015 02:19	CG
Surr: Toluene-d8	92.3	76.5-116		%REC	215949	1	11/14/2015 02:19	CG
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.	Client Sample ID: CS6B-8-9
Project Name: Bioventing Confirmation Soil Sampling	Collection Date: 11/9/2015 3:15:00 PM
Lab ID: 1511855-011	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5035)								
1,1-Dichloroethane	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Trichloroethene	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Toluene	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Tetrachloroethene	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Ethylbenzene	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Naphthalene	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Xylenes, Total	BRL	4.6		ug/Kg-dry	215949	1	11/14/2015 02:43	CG
Surr: 4-Bromofluorobenzene	90.6	70-128		%REC	215949	1	11/14/2015 02:43	CG
Surr: Dibromofluoromethane	98.3	78.2-128		%REC	215949	1	11/14/2015 02:43	CG
Surr: Toluene-d8	91.9	76.5-116		%REC	215949	1	11/14/2015 02:43	CG
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R304464	1	11/16/2015 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: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Lab ID: 1511855-012

Client Sample ID: TRIP BLANK
Collection Date: 11/10/2015
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)				
1,1-Dichloroethane	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Ethylbenzene	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Naphthalene	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Tetrachloroethene	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Toluene	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Trichloroethene	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Xylenes, Total	BRL	5.0		ug/L	215876	1	11/15/2015 18:57	JE
Surr: 4-Bromofluorobenzene	94.7	70.7-125		%REC	215876	1	11/15/2015 18:57	JE
Surr: Dibromofluoromethane	101	82.2-120		%REC	215876	1	11/15/2015 18:57	JE
Surr: Toluene-d8	99.1	81.8-120		%REC	215876	1	11/15/2015 18:57	JE

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 Bon L Work Order Number 1511855

Checklist completed by [Signature] Date 11-10-15
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? ($0^{\circ} \leq 6^{\circ}C$)* Yes ☒ No ☐

Cooler #1 see narrative 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.

\\Aes_server\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215876

Sample ID: MB-215876	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS SW8260B	Batch ID: 215876	Analysis Date: 11/13/2015	Seq No: 6515350							
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									
1,4-Dioxane	BRL	150									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215876

Sample ID: MB-215876	Client ID:	Units: ug/L		Prep Date: 11/13/2015	Run No: 304302						
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876		Analysis Date: 11/13/2015	Seq No: 6515350						
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	5.0									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215876

Sample ID: MB-215876	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876	Analysis Date: 11/13/2015	Seq No: 6515350							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Iodomethane	BRL	10									
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	51.14	0	50.00		102	70.7	125				
Surr: Dibromofluoromethane	51.92	0	50.00		104	82.2	120				
Surr: Toluene-d8	48.06	0	50.00		96.1	81.8	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		

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215876

Sample ID: LCS-215876	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876	Analysis Date: 11/13/2015	Seq No: 6515349							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	53.89	5.0	50.00		108	64.2	137				
Benzene	51.14	5.0	50.00		102	72.8	128				
Chlorobenzene	52.75	5.0	50.00		106	72.3	126				
Toluene	49.78	5.0	50.00		99.6	74.9	127				
Trichloroethene	58.69	5.0	50.00		117	70.5	134				
Surr: 4-Bromofluorobenzene	49.67	0	50.00		99.3	70.7	125				
Surr: Dibromofluoromethane	51.92	0	50.00		104	82.2	120				
Surr: Toluene-d8	47.43	0	50.00		94.9	81.8	120				

Sample ID: 1511835-006AMS	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876	Analysis Date: 11/13/2015	Seq No: 6516802							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	59.18	5.0	50.00		118	60.5	156				
Benzene	50.71	5.0	50.00		101	70	135				
Chlorobenzene	51.63	5.0	50.00		103	70.5	132				
Toluene	51.49	5.0	50.00	0.7000	102	70.5	137				
Trichloroethene	54.21	5.0	50.00		108	71.8	139				
Surr: 4-Bromofluorobenzene	48.91	0	50.00		97.8	70.7	125				
Surr: Dibromofluoromethane	50.35	0	50.00		101	82.2	120				
Surr: Toluene-d8	49.04	0	50.00		98.1	81.8	120				

Sample ID: 1511835-006AMSD	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876	Analysis Date: 11/13/2015	Seq No: 6516803							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	56.89	5.0	50.00		114	60.5	156	59.18	3.95	20	
Benzene	53.96	5.0	50.00		108	70	135	50.71	6.21	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		

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215876

Sample ID: 1511835-006AMSD	Client ID:	Units: ug/L	Prep Date: 11/13/2015	Run No: 304302							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215876	Analysis Date: 11/13/2015	Seq No: 6516803							
Analyte	Result	RPT Limit	SPK value	SPK Ref'Val	%REC	Low Limit	High Limit	RPD Ref'Val	%RPD	RPD Limit	Qual

Chlorobenzene	53.71	5.0	50.00		107	70.5	132	51.63	3.95	20	
Toluene	53.43	5.0	50.00	0.7000	105	70.5	137	51.49	3.70	20	
Trichloroethene	55.15	5.0	50.00		110	71.8	139	54.21	1.72	20	
Surr: 4-Bromofluorobenzene	53.50	0	50.00		107	70.7	125	48.91	0	0	
Surr: Dibromofluoromethane	55.07	0	50.00		110	82.2	120	50.35	0	0	
Surr: Toluene-d8	48.60	0	50.00		97.2	81.8	120	49.04	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		

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215949

Sample ID: MB-215949	Client ID:	Units: ug/Kg	Prep Date: 11/13/2015	Run No: 304425							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS	BatchID: 215949	Analysis Date: 11/13/2015	Seq No: 6518262							
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									
1,1,1,1-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									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	50									
2-Chloroethyl vinyl ether	BRL	10									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	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		

Analytical Environmental Services, Inc

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215949

Sample ID: MB-215949	Client ID:	Units: ug/Kg	Prep Date: 11/13/2015	Run No: 304425							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215949	Analysis Date: 11/13/2015	Seq No: 6518262							
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									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Acrolein	BRL	50									
Acrylonitrile	BRL	50									
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	10									
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									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215949

Sample ID: MB-215949	Client ID:	Units: ug/Kg	Prep Date: 11/13/2015	Run No: 304425							
Sample Type: MBLK	Test Code: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215949	Analysis Date: 11/13/2015	Seq No: 6518262							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

Iodomethane	BRL	10									
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	20									
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	10									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	37.98	0	50.00		76.0	70	128				
Surr: Dibromofluoromethane	49.60	0	50.00		99.2	78.2	128				
Surr: Toluene-d8	45.27	0	50.00		90.5	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit		E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		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

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215949

Sample ID: LCS-215949	Client ID:	Units: ug/Kg	Prep Date: 11/13/2015	Run No: 304425							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215949	Analysis Date: 11/13/2015	Seq No: 6518265							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	58.43	5.0	50.00		117	69.9	145				
Benzene	49.88	5.0	50.00		99.8	72.3	130				
Chlorobenzene	46.78	5.0	50.00		93.6	69	130				
Toluene	50.21	5.0	50.00		100	71.1	130				
Trichloroethene	53.89	5.0	50.00		108	71.7	136				
Surr: 4-Bromofluorobenzene	39.91	0	50.00		79.8	70	128				
Surr: Dibromofluoromethane	47.62	0	50.00		95.2	78.2	128				
Surr: Toluene-d8	43.76	0	50.00		87.5	76.5	116				

Sample ID: 1511855-009AMS	Client ID: CS6A-8-9	Units: ug/Kg-dry	Prep Date: 11/13/2015	Run No: 304474							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215949	Analysis Date: 11/16/2015	Seq No: 6520794							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	48.07	4.8	48.45		99.2	56.6	151				
Benzene	43.08	4.8	48.45		88.9	70.4	130				
Chlorobenzene	43.95	4.8	48.45		90.7	67.5	132				
Toluene	47.97	4.8	48.45		99.0	70.4	130				
Trichloroethene	44.43	4.8	48.45		91.7	70.1	137				
Surr: 4-Bromofluorobenzene	42.34	0	48.45		87.4	70	128				
Surr: Dibromofluoromethane	44.63	0	48.45		92.1	78.2	128				
Surr: Toluene-d8	44.27	0	48.45		91.4	76.5	116				

Sample ID: 1511855-009AMSD	Client ID: CS6A-8-9	Units: ug/Kg-dry	Prep Date: 11/13/2015	Run No: 304474							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260B	BatchID: 215949	Analysis Date: 11/16/2015	Seq No: 6520795							
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	Low Limit	High Limit	RPD RefVal	%RPD	RPD Limit	Qual

1,1-Dichloroethene	49.85	5.1	50.59		98.5	56.6	151	48.07	3.63	20.4	
Benzene	45.38	5.1	50.59		89.7	70.4	130	43.08	5.19	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	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

Date: 18-Nov-15

Client: Bon L Manufacturing Co.
Project Name: Bioventing Confirmation Soil Sampling
Workorder: 1511855

ANALYTICAL QC SUMMARY REPORT

BatchID: 215949

Sample ID: 1511855-009AMSD	Client ID: CS6A-8-9	Units: ug/Kg-dry	Prep Date: 11/13/2015	Run No: 304474							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS	BatchID: 215949	Analysis Date: 11/16/2015	Seq No: 6520795							
Analyte	Result	RPT Limit	SPK value	SPK Ref'Val	%REC	Low Limit	High Limit	RPD Ref'Val	%RPD	RPD Limit	Qual

Chlorobenzene	46.41	5.1	50.59		91.7	67.5	132	43.95	5.43	14.6	
Toluene	50.81	5.1	50.59		100	70.4	130	47.97	5.76	16.6	
Trichloroethene	47.78	5.1	50.59		94.5	70.1	137	44.43	7.28	17	
Surr: 4-Bromofluorobenzene	43.34	0	50.59		85.7	70	128	42.34	0	0	
Surr: Dibromofluoromethane	44.49	0	50.59		87.9	78.2	128	44.63	0	0	
Surr: Toluene-d8	46.10	0	50.59		91.1	76.5	116	44.27	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		

December 06, 2019

Janette Courtney
Bonnell Aluminum
25 Bonnell Street
Newnan, GA 30263

RE: Project: TFU SOIL SAMPLING;ref372371-OP
Pace Project No.: 2626147

Dear Janette Courtney:

Enclosed are the analytical results for sample(s) received by the laboratory on November 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nikita Kuruganty
nikita.kuruganty@pacelabs.com
(770)734-4200
Project Manager

Enclosures

cc: Tony Englund, Wood E&I Solutions, Inc. - Kennesaw
Greg Horstmeier, Wood E&I Solutions, Inc. - Kennesaw
Michael P. LaPrade, Wood E&I Solutions, Inc. - Kennesaw



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2626147001	VS1A-1119-3-4	Solid	11/25/19 13:55	11/26/19 10:56
2626147002	VS1B-1119-9-10	Solid	11/25/19 14:25	11/26/19 10:56
2626147003	VS1C-1119-12-13	Solid	11/25/19 14:30	11/26/19 10:56
2626147004	VS2A-1119-3-4	Solid	11/25/19 13:50	11/26/19 10:56
2626147005	VS2B-1119-8-9	Solid	11/25/19 14:40	11/26/19 10:56
2626147006	VS3A-1119-2-3	Solid	11/25/19 13:45	11/26/19 10:56
2626147007	VS4A-1119-3-4	Solid	11/25/19 11:15	11/26/19 10:56
2626147008	VS4B-1119-9-10	Solid	11/25/19 11:20	11/26/19 10:56
2626147009	VS4C-1119-13-14	Solid	11/25/19 11:25	11/26/19 10:56
2626147010	VS5A-1119-3-4	Solid	11/25/19 10:55	11/26/19 10:56
2626147011	VS5B-1119-8-9	Solid	11/25/19 11:00	11/26/19 10:56
2626147012	VS5C-1119-13-14	Solid	11/25/19 11:00	11/26/19 10:56
2626147013	VS6A-1119-3-4	Solid	11/25/19 10:30	11/26/19 10:56
2626147014	VS6B-1119-9-10	Solid	11/25/19 10:35	11/26/19 10:56
2626147015	VS6C-1119-13-14	Solid	11/25/19 10:35	11/26/19 10:56
2626147016	VS7A-1119-3-4	Solid	11/25/19 10:15	11/26/19 10:56
2626147017	VS7B-1119-8-10	Solid	11/25/19 10:25	11/26/19 10:56
2626147018	VS7C-1119-12-13	Solid	11/25/19 10:25	11/26/19 10:56
2626147019	DUP01-1119	Solid	11/25/19 12:00	11/26/19 10:56

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SAMPLE ANALYTE COUNT

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2626147001	VS1A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147002	VS1B-1119-9-10	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147003	VS1C-1119-12-13	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147004	VS2A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147005	VS2B-1119-8-9	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147006	VS3A-1119-2-3	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147007	VS4A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147008	VS4B-1119-9-10	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147009	VS4C-1119-13-14	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147010	VS5A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147011	VS5B-1119-8-9	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147012	VS5C-1119-13-14	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147013	VS6A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147014	VS6B-1119-9-10	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147015	VS6C-1119-13-14	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147016	VS7A-1119-3-4	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147017	VS7B-1119-8-10	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147018	VS7C-1119-12-13	EPA 8260B	JG	11
		Pace ATL SOP #0045	GAK	1
2626147019	DUP01-1119	EPA 8260B	JG	11

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SAMPLE ANALYTE COUNT

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		Pace ATL SOP #0045	GAK	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS1A-1119-3-4 **Lab ID: 2626147001** Collected: 11/25/19 13:55 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	75-34-3	
Ethylbenzene	ND	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	100-41-4	
Naphthalene	ND	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	91-20-3	
Tetrachloroethene	ND	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	127-18-4	
Toluene	8.1	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	108-88-3	
Trichloroethene	ND	ug/kg	5.8	1	12/03/19 13:46	12/03/19 18:46	79-01-6	
Xylene (Total)	ND	ug/kg	11.5	1	12/03/19 13:46	12/03/19 18:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%.	73-114	1	12/03/19 13:46	12/03/19 18:46	1868-53-7	
Toluene-d8 (S)	106	%.	85-109	1	12/03/19 13:46	12/03/19 18:46	2037-26-5	
4-Bromofluorobenzene (S)	114	%.	77-124	1	12/03/19 13:46	12/03/19 18:46	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%.	69-133	1	12/03/19 13:46	12/03/19 18:46	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	19.1	%	0.10	1		12/03/19 12:29		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS1B-1119-9-10 **Lab ID: 2626147002** Collected: 11/25/19 14:25 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	75-34-3	
Ethylbenzene	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	100-41-4	
Naphthalene	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	91-20-3	
Tetrachloroethene	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	127-18-4	
Toluene	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	108-88-3	
Trichloroethene	ND	ug/kg	5.4	1	12/03/19 13:46	12/03/19 19:11	79-01-6	
Xylene (Total)	ND	ug/kg	10.9	1	12/03/19 13:46	12/03/19 19:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	73-114	1	12/03/19 13:46	12/03/19 19:11	1868-53-7	
Toluene-d8 (S)	103	%.	85-109	1	12/03/19 13:46	12/03/19 19:11	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	77-124	1	12/03/19 13:46	12/03/19 19:11	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%.	69-133	1	12/03/19 13:46	12/03/19 19:11	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	12.9	%	0.10	1		12/03/19 12:29		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS1C-1119-12-13 **Lab ID: 2626147003** Collected: 11/25/19 14:30 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	75-34-3	
Ethylbenzene	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	100-41-4	
Naphthalene	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	91-20-3	
Tetrachloroethene	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	127-18-4	
Toluene	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	108-88-3	
Trichloroethene	ND	ug/kg	8.6	1	12/03/19 13:46	12/03/19 19:35	79-01-6	
Xylene (Total)	ND	ug/kg	17.1	1	12/03/19 13:46	12/03/19 19:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	73-114	1	12/03/19 13:46	12/03/19 19:35	1868-53-7	
Toluene-d8 (S)	107	%.	85-109	1	12/03/19 13:46	12/03/19 19:35	2037-26-5	
4-Bromofluorobenzene (S)	110	%.	77-124	1	12/03/19 13:46	12/03/19 19:35	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%.	69-133	1	12/03/19 13:46	12/03/19 19:35	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	7.9	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS2A-1119-3-4 **Lab ID: 2626147004** Collected: 11/25/19 13:50 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	75-34-3	
Ethylbenzene	ND	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	100-41-4	
Naphthalene	ND	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	91-20-3	
Tetrachloroethene	ND	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	127-18-4	
Toluene	9.3	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	108-88-3	
Trichloroethene	ND	ug/kg	5.2	1	12/03/19 13:46	12/03/19 19:59	79-01-6	
Xylene (Total)	ND	ug/kg	10.5	1	12/03/19 13:46	12/03/19 19:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	73-114	1	12/03/19 13:46	12/03/19 19:59	1868-53-7	
Toluene-d8 (S)	109	%.	85-109	1	12/03/19 13:46	12/03/19 19:59	2037-26-5	
4-Bromofluorobenzene (S)	116	%.	77-124	1	12/03/19 13:46	12/03/19 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%.	69-133	1	12/03/19 13:46	12/03/19 19:59	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	19.2	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS2B-1119-8-9 **Lab ID: 2626147005** Collected: 11/25/19 14:40 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	75-34-3	
Ethylbenzene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	100-41-4	
Naphthalene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	91-20-3	
Tetrachloroethene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	127-18-4	
Toluene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	108-88-3	
Trichloroethene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 20:24	79-01-6	
Xylene (Total)	ND	ug/kg	9.1	1	12/03/19 13:46	12/03/19 20:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	73-114	1	12/03/19 13:46	12/03/19 20:24	1868-53-7	
Toluene-d8 (S)	110	%.	85-109	1	12/03/19 13:46	12/03/19 20:24	2037-26-5	S3
4-Bromofluorobenzene (S)	111	%.	77-124	1	12/03/19 13:46	12/03/19 20:24	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%.	69-133	1	12/03/19 13:46	12/03/19 20:24	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	12.7	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS3A-1119-2-3 **Lab ID: 2626147006** Collected: 11/25/19 13:45 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	75-34-3	
Ethylbenzene	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	100-41-4	
Naphthalene	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	91-20-3	R1
Tetrachloroethene	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	127-18-4	
Toluene	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	108-88-3	
Trichloroethene	ND	ug/kg	5.1	1	12/03/19 13:46	12/03/19 20:48	79-01-6	
Xylene (Total)	ND	ug/kg	10.1	1	12/03/19 13:46	12/03/19 20:48	1330-20-7	RS
Surrogates								
Dibromofluoromethane (S)	111	%.	73-114	1	12/03/19 13:46	12/03/19 20:48	1868-53-7	
Toluene-d8 (S)	106	%.	85-109	1	12/03/19 13:46	12/03/19 20:48	2037-26-5	
4-Bromofluorobenzene (S)	110	%.	77-124	1	12/03/19 13:46	12/03/19 20:48	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%.	69-133	1	12/03/19 13:46	12/03/19 20:48	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	20.5	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS4A-1119-3-4 **Lab ID: 2626147007** Collected: 11/25/19 11:15 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	75-34-3	
Ethylbenzene	ND	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	100-41-4	
Naphthalene	ND	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	91-20-3	
Tetrachloroethene	ND	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	127-18-4	
Toluene	9.8	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	108-88-3	
Trichloroethene	ND	ug/kg	5.7	1	12/03/19 13:46	12/03/19 21:12	79-01-6	
Xylene (Total)	ND	ug/kg	11.4	1	12/03/19 13:46	12/03/19 21:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	73-114	1	12/03/19 13:46	12/03/19 21:12	1868-53-7	
Toluene-d8 (S)	108	%.	85-109	1	12/03/19 13:46	12/03/19 21:12	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	77-124	1	12/03/19 13:46	12/03/19 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%.	69-133	1	12/03/19 13:46	12/03/19 21:12	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	8.9	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS4B-1119-9-10 **Lab ID: 2626147008** Collected: 11/25/19 11:20 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	75-34-3	
Ethylbenzene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	100-41-4	
Naphthalene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	91-20-3	
Tetrachloroethene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	127-18-4	
Toluene	13.1	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	108-88-3	
Trichloroethene	ND	ug/kg	4.5	1	12/03/19 13:46	12/03/19 21:37	79-01-6	
Xylene (Total)	ND	ug/kg	9.0	1	12/03/19 13:46	12/03/19 21:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	73-114	1	12/03/19 13:46	12/03/19 21:37	1868-53-7	
Toluene-d8 (S)	105	%.	85-109	1	12/03/19 13:46	12/03/19 21:37	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	77-124	1	12/03/19 13:46	12/03/19 21:37	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%.	69-133	1	12/03/19 13:46	12/03/19 21:37	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	14.0	%	0.10	1		12/03/19 12:30		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS4C-1119-13-14 **Lab ID: 2626147009** Collected: 11/25/19 11:25 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	75-34-3	
Ethylbenzene	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	100-41-4	
Naphthalene	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	91-20-3	
Tetrachloroethene	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	127-18-4	
Toluene	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	108-88-3	
Trichloroethene	ND	ug/kg	4.9	1	12/03/19 13:46	12/03/19 22:01	79-01-6	
Xylene (Total)	ND	ug/kg	9.8	1	12/03/19 13:46	12/03/19 22:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%.	73-114	1	12/03/19 13:46	12/03/19 22:01	1868-53-7	S3
Toluene-d8 (S)	106	%.	85-109	1	12/03/19 13:46	12/03/19 22:01	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	77-124	1	12/03/19 13:46	12/03/19 22:01	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%.	69-133	1	12/03/19 13:46	12/03/19 22:01	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	18.0	%	0.10	1		12/03/19 12:31		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS5A-1119-3-4 **Lab ID: 2626147010** Collected: 11/25/19 10:55 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	75-34-3	
Ethylbenzene	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	100-41-4	
Naphthalene	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	91-20-3	
Tetrachloroethene	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	127-18-4	
Toluene	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	108-88-3	
Trichloroethene	ND	ug/kg	4.1	1	12/03/19 13:46	12/03/19 22:25	79-01-6	
Xylene (Total)	ND	ug/kg	8.1	1	12/03/19 13:46	12/03/19 22:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%.	73-114	1	12/03/19 13:46	12/03/19 22:25	1868-53-7	
Toluene-d8 (S)	105	%.	85-109	1	12/03/19 13:46	12/03/19 22:25	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	77-124	1	12/03/19 13:46	12/03/19 22:25	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%.	69-133	1	12/03/19 13:46	12/03/19 22:25	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	11.1	%	0.10	1		12/03/19 12:31		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS5B-1119-8-9 **Lab ID: 2626147011** Collected: 11/25/19 11:00 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	75-34-3	
Ethylbenzene	ND	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	100-41-4	
Naphthalene	ND	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	91-20-3	
Tetrachloroethene	ND	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	127-18-4	
Toluene	33.8	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	108-88-3	
Trichloroethene	ND	ug/kg	5.3	1	12/03/19 13:46	12/03/19 22:50	79-01-6	
Xylene (Total)	ND	ug/kg	10.7	1	12/03/19 13:46	12/03/19 22:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	73-114	1	12/03/19 13:46	12/03/19 22:50	1868-53-7	
Toluene-d8 (S)	113	%.	85-109	1	12/03/19 13:46	12/03/19 22:50	2037-26-5	S0
4-Bromofluorobenzene (S)	119	%.	77-124	1	12/03/19 13:46	12/03/19 22:50	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%.	69-133	1	12/03/19 13:46	12/03/19 22:50	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	15.6	%	0.10	1		12/03/19 12:31		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS5C-1119-13-14 **Lab ID: 2626147012** Collected: 11/25/19 11:00 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	75-34-3	
Ethylbenzene	ND	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	100-41-4	
Naphthalene	ND	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	91-20-3	
Tetrachloroethene	30.7	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	127-18-4	
Toluene	ND	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	108-88-3	
Trichloroethene	ND	ug/kg	8.0	1	12/03/19 13:46	12/03/19 23:14	79-01-6	
Xylene (Total)	ND	ug/kg	16.0	1	12/03/19 13:46	12/03/19 23:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	73-114	1	12/03/19 13:46	12/03/19 23:14	1868-53-7	
Toluene-d8 (S)	106	%.	85-109	1	12/03/19 13:46	12/03/19 23:14	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	77-124	1	12/03/19 13:46	12/03/19 23:14	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%.	69-133	1	12/03/19 13:46	12/03/19 23:14	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	40.5	%	0.10	1		12/03/19 12:31		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS6A-1119-3-4 **Lab ID: 2626147013** Collected: 11/25/19 10:30 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	75-34-3	
Ethylbenzene	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	100-41-4	
Naphthalene	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	91-20-3	
Tetrachloroethene	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	127-18-4	
Toluene	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	108-88-3	
Trichloroethene	ND	ug/kg	6.8	1	12/03/19 13:46	12/03/19 23:38	79-01-6	
Xylene (Total)	ND	ug/kg	13.6	1	12/03/19 13:46	12/03/19 23:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	73-114	1	12/03/19 13:46	12/03/19 23:38	1868-53-7	
Toluene-d8 (S)	103	%.	85-109	1	12/03/19 13:46	12/03/19 23:38	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	77-124	1	12/03/19 13:46	12/03/19 23:38	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%.	69-133	1	12/03/19 13:46	12/03/19 23:38	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	20.7	%	0.10	1		12/03/19 12:32		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS6B-1119-9-10 **Lab ID: 2626147014** Collected: 11/25/19 10:35 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	75-34-3	IS
Ethylbenzene	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	100-41-4	IS
Naphthalene	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	91-20-3	IS
Tetrachloroethene	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	127-18-4	IS
Toluene	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	108-88-3	IS
Trichloroethene	ND	ug/kg	7.4	1	12/03/19 13:46	12/04/19 00:03	79-01-6	IS
Xylene (Total)	ND	ug/kg	14.8	1	12/03/19 13:46	12/04/19 00:03	1330-20-7	ES
Surrogates								
Dibromofluoromethane (S)	110	%.	73-114	1	12/03/19 13:46	12/04/19 00:03	1868-53-7	
Toluene-d8 (S)	100	%.	85-109	1	12/03/19 13:46	12/04/19 00:03	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	77-124	1	12/03/19 13:46	12/04/19 00:03	460-00-4	
1,2-Dichloroethane-d4 (S)	129	%.	69-133	1	12/03/19 13:46	12/04/19 00:03	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	16.2	%	0.10	1		12/03/19 12:32		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS6C-1119-13-14 **Lab ID: 2626147015** Collected: 11/25/19 10:35 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	75-34-3	IS
Ethylbenzene	31.9	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	100-41-4	IS
Naphthalene	ND	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	91-20-3	IS
Tetrachloroethene	8.5	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	127-18-4	IS
Toluene	345	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	108-88-3	E,IS
Trichloroethene	8.5	ug/kg	6.4	1	12/03/19 13:46	12/04/19 00:27	79-01-6	IS
Xylene (Total)	363	ug/kg	12.8	1	12/03/19 13:46	12/04/19 00:27	1330-20-7	ES
Surrogates								
Dibromofluoromethane (S)	114	%.	73-114	1	12/03/19 13:46	12/04/19 00:27	1868-53-7	
Toluene-d8 (S)	116	%.	85-109	1	12/03/19 13:46	12/04/19 00:27	2037-26-5	S0
4-Bromofluorobenzene (S)	120	%.	77-124	1	12/03/19 13:46	12/04/19 00:27	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%.	69-133	1	12/03/19 13:46	12/04/19 00:27	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	25.8	%	0.10	1		12/03/19 12:33		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS7A-1119-3-4 **Lab ID: 2626147016** Collected: 11/25/19 10:15 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	75-34-3	
Ethylbenzene	ND	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	100-41-4	
Naphthalene	ND	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	91-20-3	
Tetrachloroethene	ND	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	127-18-4	
Toluene	9.4	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	108-88-3	
Trichloroethene	ND	ug/kg	7.3	1	12/03/19 13:46	12/04/19 00:51	79-01-6	
Xylene (Total)	16.4	ug/kg	14.7	1	12/03/19 13:46	12/04/19 00:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	73-114	1	12/03/19 13:46	12/04/19 00:51	1868-53-7	
Toluene-d8 (S)	111	%.	85-109	1	12/03/19 13:46	12/04/19 00:51	2037-26-5	S0
4-Bromofluorobenzene (S)	116	%.	77-124	1	12/03/19 13:46	12/04/19 00:51	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%.	69-133	1	12/03/19 13:46	12/04/19 00:51	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	17.3	%	0.10	1		12/03/19 12:33		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS7B-1119-8-10 **Lab ID: 2626147017** Collected: 11/25/19 10:25 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	75-34-3	
Ethylbenzene	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	100-41-4	
Naphthalene	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	91-20-3	
Tetrachloroethene	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	127-18-4	
Toluene	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	108-88-3	
Trichloroethene	ND	ug/kg	4.2	1	12/03/19 13:46	12/04/19 01:16	79-01-6	
Xylene (Total)	ND	ug/kg	8.5	1	12/03/19 13:46	12/04/19 01:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	73-114	1	12/03/19 13:46	12/04/19 01:16	1868-53-7	
Toluene-d8 (S)	102	%.	85-109	1	12/03/19 13:46	12/04/19 01:16	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	77-124	1	12/03/19 13:46	12/04/19 01:16	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%.	69-133	1	12/03/19 13:46	12/04/19 01:16	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	18.6	%	0.10	1		12/03/19 12:35		

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: VS7C-1119-12-13 **Lab ID: 2626147018** Collected: 11/25/19 10:25 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	75-34-3	
Ethylbenzene	ND	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	100-41-4	
Naphthalene	ND	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	91-20-3	
Tetrachloroethene	ND	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	127-18-4	
Toluene	22.4	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	108-88-3	
Trichloroethene	ND	ug/kg	5.1	1	12/03/19 13:46	12/04/19 01:40	79-01-6	
Xylene (Total)	15.3	ug/kg	10.2	1	12/03/19 13:46	12/04/19 01:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	73-114	1	12/03/19 13:46	12/04/19 01:40	1868-53-7	
Toluene-d8 (S)	112	%.	85-109	1	12/03/19 13:46	12/04/19 01:40	2037-26-5	S0
4-Bromofluorobenzene (S)	118	%.	77-124	1	12/03/19 13:46	12/04/19 01:40	460-00-4	
1,2-Dichloroethane-d4 (S)	130	%.	69-133	1	12/03/19 13:46	12/04/19 01:40	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	22.3	%	0.10	1		12/03/19 12:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Sample: DUP01-1119 **Lab ID: 2626147019** Collected: 11/25/19 12:00 Received: 11/26/19 10:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Analytical Method: EPA 8260B Preparation Method: EPA 5035								
1,1-Dichloroethane	ND	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	75-34-3	
Ethylbenzene	ND	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	100-41-4	
Naphthalene	ND	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	91-20-3	
Tetrachloroethene	ND	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	127-18-4	
Toluene	13.4	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	108-88-3	
Trichloroethene	ND	ug/kg	5.5	1	12/03/19 13:46	12/04/19 02:04	79-01-6	
Xylene (Total)	ND	ug/kg	11.0	1	12/03/19 13:46	12/04/19 02:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	73-114	1	12/03/19 13:46	12/04/19 02:04	1868-53-7	
Toluene-d8 (S)	107	%.	85-109	1	12/03/19 13:46	12/04/19 02:04	2037-26-5	
4-Bromofluorobenzene (S)	115	%.	77-124	1	12/03/19 13:46	12/04/19 02:04	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%.	69-133	1	12/03/19 13:46	12/04/19 02:04	17060-07-0	
Percent Moisture Analytical Method: Pace ATL SOP #0045								
Percent Moisture	8.2	%	0.10	1		12/03/19 12:36		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TFU SOIL SAMPLING;ref372371-OP
Pace Project No.: 2626147

QC Batch: 39851 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035 Analysis Description: 8260 MSV 5035
Associated Lab Samples: 2626147001, 2626147002, 2626147003, 2626147004, 2626147005, 2626147006, 2626147007, 2626147008, 2626147009, 2626147010, 2626147011, 2626147012, 2626147013, 2626147014, 2626147015, 2626147016, 2626147017, 2626147018, 2626147019

METHOD BLANK: 181084 Matrix: Solid
Associated Lab Samples: 2626147001, 2626147002, 2626147003, 2626147004, 2626147005, 2626147006, 2626147007, 2626147008, 2626147009, 2626147010, 2626147011, 2626147012, 2626147013, 2626147014, 2626147015, 2626147016, 2626147017, 2626147018, 2626147019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/kg	ND	5.0	12/03/19 18:22	
Ethylbenzene	ug/kg	ND	5.0	12/03/19 18:22	
Naphthalene	ug/kg	ND	5.0	12/03/19 18:22	
Tetrachloroethene	ug/kg	ND	5.0	12/03/19 18:22	
Toluene	ug/kg	ND	5.0	12/03/19 18:22	
Trichloroethene	ug/kg	ND	5.0	12/03/19 18:22	
Xylene (Total)	ug/kg	ND	10.0	12/03/19 18:22	
1,2-Dichloroethane-d4 (S)	%	107	69-133	12/03/19 18:22	
4-Bromofluorobenzene (S)	%	112	77-124	12/03/19 18:22	
Dibromofluoromethane (S)	%	105	73-114	12/03/19 18:22	
Toluene-d8 (S)	%	106	85-109	12/03/19 18:22	

METHOD BLANK: 181431 Matrix: Solid
Associated Lab Samples: 2626147001, 2626147002, 2626147003, 2626147004, 2626147005, 2626147006, 2626147007, 2626147008, 2626147009, 2626147010, 2626147011, 2626147012, 2626147013, 2626147014, 2626147015, 2626147016, 2626147017, 2626147018, 2626147019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/kg	ND	250	12/04/19 17:44	
Ethylbenzene	ug/kg	ND	250	12/04/19 17:44	
Naphthalene	ug/kg	ND	250	12/04/19 17:44	
Tetrachloroethene	ug/kg	ND	250	12/04/19 17:44	
Toluene	ug/kg	ND	250	12/04/19 17:44	
Trichloroethene	ug/kg	ND	250	12/04/19 17:44	
Xylene (Total)	ug/kg	ND	500	12/04/19 17:44	
1,2-Dichloroethane-d4 (S)	%	110	69-133	12/04/19 17:44	
4-Bromofluorobenzene (S)	%	95	77-124	12/04/19 17:44	
Dibromofluoromethane (S)	%	109	73-114	12/04/19 17:44	
Toluene-d8 (S)	%	106	85-109	12/04/19 17:44	

LABORATORY CONTROL SAMPLE: 181085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/kg	50	45.7	91	81-140	
Ethylbenzene	ug/kg	50	44.7	89	70-143	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

LABORATORY CONTROL SAMPLE: 181085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	50	46.3	93	47-167	
Tetrachloroethene	ug/kg	50	46.2	92	59-144	
Toluene	ug/kg	50	45.6	91	62-142	
Trichloroethene	ug/kg	50	44.9	90	65-152	
Xylene (Total)	ug/kg	150	131	87	61-122	
1,2-Dichloroethane-d4 (S)	%.			110	69-133	
4-Bromofluorobenzene (S)	%.			107	77-124	
Dibromofluoromethane (S)	%.			110	73-114	
Toluene-d8 (S)	%.			108	85-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 181086 181087

Parameter	Units	2626147006	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,1-Dichloroethane	ug/kg	ND	64	51.3	64.7	54.0	101	105	52-145	18	24		
Ethylbenzene	ug/kg	ND	64	51.3	59.0	44.7	92	87	13-164	27	33		
Naphthalene	ug/kg	ND	64	51.3	58.7	32.8	92	64	31-150	57	30	R1	
Tetrachloroethene	ug/kg	ND	64	51.3	61.0	53.4	95	104	33-141	13	32		
Toluene	ug/kg	ND	64	51.3	63.1	54.2	95	101	32-145	15	31		
Trichloroethene	ug/kg	ND	64	51.3	54.3	43.2	84	83	16-172	23	30		
Xylene (Total)	ug/kg	ND	192	153	189	123	98	80	19-120	42	28	RS	
1,2-Dichloroethane-d4 (S)	%.						105	109	69-133				
4-Bromofluorobenzene (S)	%.						115	112	77-124				
Dibromofluoromethane (S)	%.						112	109	73-114				
Toluene-d8 (S)	%.						96	85	85-109				

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QUALITY CONTROL DATA

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

QC Batch:	39838	Analysis Method:	Pace ATL SOP #0045
QC Batch Method:	Pace ATL SOP #0045	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	2626147001, 2626147002, 2626147003, 2626147004, 2626147005, 2626147006, 2626147007, 2626147008, 2626147009, 2626147010, 2626147011, 2626147012, 2626147013, 2626147014, 2626147015, 2626147016, 2626147017, 2626147018, 2626147019		

SAMPLE DUPLICATE: 181049

Parameter	Units	2626044002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	95.2	95.7	1	10	H3

SAMPLE DUPLICATE: 181050

Parameter	Units	2626147006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.5	21.2	3	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
H3	Sample was received or analysis requested beyond the recognized method holding time.
IS	The internal standard response is below criteria. Results may be biased high.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TFU SOIL SAMPLING;ref372371-OP

Pace Project No.: 2626147

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2626147001	VS1A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147002	VS1B-1119-9-10	EPA 5035	39851	EPA 8260B	39886
2626147003	VS1C-1119-12-13	EPA 5035	39851	EPA 8260B	39886
2626147004	VS2A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147005	VS2B-1119-8-9	EPA 5035	39851	EPA 8260B	39886
2626147006	VS3A-1119-2-3	EPA 5035	39851	EPA 8260B	39886
2626147007	VS4A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147008	VS4B-1119-9-10	EPA 5035	39851	EPA 8260B	39886
2626147009	VS4C-1119-13-14	EPA 5035	39851	EPA 8260B	39886
2626147010	VS5A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147011	VS5B-1119-8-9	EPA 5035	39851	EPA 8260B	39886
2626147012	VS5C-1119-13-14	EPA 5035	39851	EPA 8260B	39886
2626147013	VS6A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147014	VS6B-1119-9-10	EPA 5035	39851	EPA 8260B	39886
2626147015	VS6C-1119-13-14	EPA 5035	39851	EPA 8260B	39886
2626147016	VS7A-1119-3-4	EPA 5035	39851	EPA 8260B	39886
2626147017	VS7B-1119-8-10	EPA 5035	39851	EPA 8260B	39886
2626147018	VS7C-1119-12-13	EPA 5035	39851	EPA 8260B	39886
2626147019	DUP01-1119	EPA 5035	39851	EPA 8260B	39886
2626147001	VS1A-1119-3-4	Pace ATL SOP #0045	39838		
2626147002	VS1B-1119-9-10	Pace ATL SOP #0045	39838		
2626147003	VS1C-1119-12-13	Pace ATL SOP #0045	39838		
2626147004	VS2A-1119-3-4	Pace ATL SOP #0045	39838		
2626147005	VS2B-1119-8-9	Pace ATL SOP #0045	39838		
2626147006	VS3A-1119-2-3	Pace ATL SOP #0045	39838		
2626147007	VS4A-1119-3-4	Pace ATL SOP #0045	39838		
2626147008	VS4B-1119-9-10	Pace ATL SOP #0045	39838		
2626147009	VS4C-1119-13-14	Pace ATL SOP #0045	39838		
2626147010	VS5A-1119-3-4	Pace ATL SOP #0045	39838		
2626147011	VS5B-1119-8-9	Pace ATL SOP #0045	39838		
2626147012	VS5C-1119-13-14	Pace ATL SOP #0045	39838		
2626147013	VS6A-1119-3-4	Pace ATL SOP #0045	39838		
2626147014	VS6B-1119-9-10	Pace ATL SOP #0045	39838		
2626147015	VS6C-1119-13-14	Pace ATL SOP #0045	39838		
2626147016	VS7A-1119-3-4	Pace ATL SOP #0045	39838		
2626147017	VS7B-1119-8-10	Pace ATL SOP #0045	39838		
2626147018	VS7C-1119-12-13	Pace ATL SOP #0045	39838		
2626147019	DUP01-1119	Pace ATL SOP #0045	39838		

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Newnan, GA 30256



BONNELL
ALUMINUM

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Project		TFU Soil Sampling		Project No.		6123191034		Bon L Project Contact		Janette Courtney		Phone: 770-254-7665		Cell: 678-552-0652		janette.courtney@bonnellaluminum.com	
Laboratory Name and Address:		Pace Analytical Services 110 Technology Parkway Norcross, GA 30092		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)		E-Mail Reports To Bon L Project Contact and: Janette Courtney (janette.courtney@bonnellaluminum.com) Tony Englund (tony.englund@woodplc.com) Michael LaPrade (michael.laprade@woodplc.com)	
Laboratory Project Manager:		Nikita Kuruganty		Phone		770-734-4207		E-Mail		nikita.kuruganty@pacelabs.com		Requested Turn Around Time:		5 Business Days		In Case Of Problems With Samples Contact:	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
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DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
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DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T U R E		#		H O U R S		LAB #	
DATE		TIME		MATRIX CODE*		#		COMP		S I G N A T							

PAGE: _____ OF _____

Sample Condition Upon Receipt

WO#: 2626147

Pace Analytical

Client Name: _____

PM: NJK

Due Date: 12/05/19

CLIENT: Bonnell IAL

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ noPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____Thermometer Used THRO83Type of Ice: Wet Blue None☐ Samples on ice, cooling process has begunCooler Temperature 33

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 8°C

Comments: _____

Date and Initials of person examining contents: _____

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. pg 10 of 10 not relinquished
Sampler Name & Signature on COC:	☐ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ 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: <u>S</u>		
All containers needing preservation have been checked.	☐ Yes ☐ No ☐ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☐ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐ Yes ☐ No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☐ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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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)

F-ALLC003rev.3, 11September2006