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First Semi-Annual Progress Report Baseline Groundwater & Surface Water Monitoring

Woodall Creek Site
1575 Huber Street, Atlanta, Fulton County, Georgia
HSI Number: 10689

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June 12, 2014

AMEC Project No 6122130015

1st Semiannual Progress Report of
Baseline Groundwater & Surface Water Monitoring
For The
Woodall Creek Site
Atlanta, Fulton County, Georgia

40 CFR 260.10 QUALIFIED GROUNDWATER SCIENTIST STATEMENT

I certify that I am a qualified groundwater scientist or geologist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared in conjunction with others working under my direction.

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Georgia Professional Geologist
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ACRONYMS

AMEC .....AMEC Environment & Infrastructure
ASI.....Analytical Services, Inc.
CAP .....Corrective Action Plan
CFS .....Cubic Feet per Second
COCs.....Constituents of Concern
1,2-DCA.....1,2-Dichloroethane
DCE.....Dichloroethene
EPD .....Georgia Environmental Protection Division
Ft .....Feet
Ft bgs.....Feet below ground surface
GA .....Georgia
GCAL.....Gulf Coast Analytical Laboratories
HSA .....Hollow Stem Auger
HSI.....Hazardous Site Inventory
IDW.....Investigation Derived Waste
ISWQS.....In-Stream Water Quality Standards
mg/Kg .....milligrams per kilogram (equivalent to ppm)
mg/L.....milligrams per liter (equivalent to ppm)
MNA.....Monitored Natural Attenuation
msl.....Mean See Level
MS/MSD .....Matrix Spike/Matric Spike Duplicate
PCE .....Tetrachloroethene
PID.....Photoionization Detector
ppb.....Parts per billion
ppm.....Parts per million
PQL .....Practical Quantitation Limit
PWR .....Partially Weathered Rock
QA/QC .....Quality Assurance/Quality Control
RRS .....Risk Reduction Standard
SDG.....Sample Delivery Group
SESD.....Science and Ecosystem Support Division
SMF .....Southern Metal Finishing
TCE .....Trichloroethene
TCLP .....Toxicity Characteristic Leaching Procedure
ug/L.....Micrograms per Liter (equivalent to ppb)
USDOT .....United States Department of Transportation
USEPA .....United States Environmental Protection Agency
VOC.....Volatile organic compound

1.0 INTRODUCTION

This First (1st) Semiannual Summary Progress Report for the Woodall Creek Hazardous Site Inventory (HSI) Site # 10689 has been prepared in accordance with the approved 2013 Revised Corrective Action Plan (CAP) for the Woodall Creek Site Properties and summarizes activities associated with the new monitoring well installation, site wide monitoring well survey, comprehensive simultaneous site wide groundwater sampling and analysis program and surface water sampling and analysis. This information has been prepared by AMEC Environment & Infrastructure, Inc. (AMEC) on behalf of Southern Metals Finishing Company, LLC (SMF).

The properties comprising the Woodall Creek Site have been investigated by multiple parties since 2002. Reports have been prepared and submitted to the Georgia (GA) Environmental Protection Division (EPD) to document the investigations, assessments, and remedial programs that have been performed for this Site. However, this baseline sampling program provides a comprehensive assessment for addressing potential impacts to the groundwater and surface water of the Site and provides an initial assessment of natural attenuation processes. Previous efforts to collect comprehensive site data were hampered by site or access limitations creating an incomplete site profile.

2.0 SITE BACKGROUND

The Woodall Creek Site was initially listed on the Hazardous Site Inventory (HSI) by the Georgia (GA) Environmental Protection Division (EPD) due to concentrations of volatile organic compounds (VOCs) (principally tetrachloroethene [PCE] and trichloroethene [TCE]) in Woodall Creek surface water quality samples. Woodall Creek is located approximately 1,500 feet southwest of the SMF facility. As a result, SMF and six other properties were placed on the HSI on February 2, 2001 (collectively referred to as the "Woodall Creek Site"). A Site Location Map is provided as **Figure 1**. A Site Layout of the Woodall Creek HSI Site is provided as **Figure 2**.

In addition to SMF, the other six properties making up the Woodall Creek HSI Site include:

AKZO Nobel Paints (Former Glidden Paint Facility, Former ICI Paint) - The former Glidden Paint Company facility is located on the southern and eastern boundary of the SMF Property and consists of an abandoned warehouse area, manufacturing area, and former tank farm/drum storage areas. This property comprises an area of approximately 13.6 acres.

Dobbins Mini-Warehouse Property (Former Huber Motor Express, Former Glidden Paint Facility) - The Dobbins Mini-Warehouse property is located on the west side of Huber Street, to the west of the Glidden facility and southwest of the SMF Property. This property, comprising 3.9 acres, was formerly owned and operated by Glidden as a truck terminal and maintenance facility.

Futurex (Ellsworth Realty Property) - The Ellsworth Realty property is an undeveloped, wooded property, approximately 3.6 acres in size and located approximately 400 feet southwest of the SMF Property on the east side of Ellsworth Industrial Drive. The property is adjacent to and directly west of the Dobbins Mini-Warehouse property.

Restaurant Supply Property (JMDH Real Estate) (Former Republic, Former Jodaco, Former Anderson, Former Case-Hoyt Property) - This parcel encompasses approximately 4.8 acres and is located approximately 500 feet southwest of the SMF Property at 1455 Ellsworth Industrial Drive. The Glidden property forms the eastern border of the Restaurant/ Jodaco/Anderson/Case-Hoyt property, the Dobbins Mini-Warehouse and the Ellsworth Realty property border to the north and Ellsworth Industrial Drive forms the western boundary of the property. The former Jodaco property has now been demolished and redeveloped as a Restaurant Depot. Excavations during the development indicated historical landfill operations in the area. Additionally, visual observations, sample results and strong odors in the excavated area provided evidence of impact from industrial operations. A Brownfields CAP/CSR report has been submitted to the EPD for the property.

Daltile Property (Former Reynolds Metal Property) - This property comprises an area of approximately 5.5 acres and is located on the east side of Ellsworth Industrial Drive, approximately 800 feet southwest of the SMF Property. The former Reynolds Metal property has now been converted into a Daltile, supplier of flooring. The Restaurant Depot Property forms the northern border of the property.

Midtown West Properties, (Former M-West, former Georgia Pacific, Former ABC Supply, BVV, LLC, Property) - The property is located at 1460 Ellsworth Industrial Drive, approximately 1,100 feet southwest of the SMF Property. The property consists of approximately 3.5 acres of land that existing structures were removed and re-graded in 2007. The property is located on the west side of Ellsworth Industrial Drive, southwest of the former Goodstone properties.

Woodall Creek flows across the southern portion of this property. Prior to Winter and ABC ownership, the property was owned by the Georgia-Pacific Corporation. In late 2005 or 2006 the ABC Supply Co. was acquired by Winter Properties under the Georgia Brownfield program. BVV, LLC (an apparent affiliate of Winter) demolished the existing structures with the intent of pursuing a common scheme of development with the existing M-West condominium project west of Woodall Creek. AMEC understands, however, that this project failed and that a lender, M-West 3Q10 Fund, LLC, managed by Anthem Capital Partners (the "M-West Lender"), acquired the former ABC Property from BVV, LLC by deed in lieu of foreclosure. The M-West Lender apparently caused the portion of the former ABC Property fronting on Ellsworth to be transferred to a new entity M-West Lots, LLC ("M-West Lots"). On May 10, 2012, Midtown West Partners, LLC purchased the Property from M-West Lots.

A seventh property, the former **Goodstone Property**, (Acquired by Midtown West Partners, LLC in 2011) while not part of the Woodall Creek HSI site, has been incorporated into the evaluation as part of the assessment activities. The **Goodstone Property(s)** is located immediately north of the Midtown West (former ABC Supply) property. Based on the groundwater plume delineation/evaluation activities, it appears that the subject properties (i.e., 1494 and 1510 Ellsworth Industrial Boulevard) have been impacted by Constituents of Concern (COCs) from the up-gradient source areas that may be impacting Woodall Creek.

2.1 SITE SETTING

The Woodall Creek site is located in a predominately commercial/industrial area developed in the 1940's. The upper reaches of the Woodall Creek watershed, from the head waters near the City of Atlanta's Hemphill Water Plant to Chattahoochee Avenue, encompass approximately 520 acres. Land use within the watershed is principally industrial. From its' headwater, Woodall Creek flows west to northwest approximately 2.7 miles where it enters Peachtree Creek which ultimately flows into the Chattahoochee River approximately 3 miles northwest of the site. The majority of Woodall Creek appears to follow a natural course with culverts at several road crossings.

Topography of the area generally slopes from the northeast to the southwest across the Woodall Creek Site, with higher elevations occurring near the SMF and AKZO Paint Properties. Elevations across the Site range from approximately 900 feet above mean sea level (ft msl) to approximately 840 ft msl along Woodall Creek.

2.2 WOODALL CREEK CONSTITUENTS OF CONCERN

The Woodall Creek Site was listed on the HSI by EPD based on a suspected release of regulated substances from groundwater to waters of the state (Woodall Creek) that resulted in an exceedance of Georgia's in stream water quality standards, primarily for PCE. The constituents of concern (COC's) associated with potential surface water impacts include:

- 1,1-Dichloroethene (1,1-DCE - CAS - No. 75354)
- cis-1,2-Dichloroethene (cis-1,2-DCE – CAS No. 156592)
- Dibromochloromethane (DCM – CAS No. 75252)
- Tetrachloroethene (PCE - CAS No. 127184)
- Trichloroethene (TCE - CAS No. 79016)

2.3 IN-STREAM WATER QUALITY CRITERIA

The endpoint compliance objective for the Site is to meet in-stream water quality criteria in Woodall Creek in accordance with Georgia Rules and Regulations for Water Quality Control, Chapter 391-3-6-03(5).

The following are the present in-stream water quality criteria for the Woodall Creek Site constituents of concern:

Site COC	In stream Water Quality Criterion[1]
1,1-dichloroethene (1,1-DCE)	7,100
cis-1,2-dichloroethene (cis-1,2-DCE)	N/A[2]
dibromochloromethane (DBCM)	13
tetrachloroethene (PCE)	3.3
trichloroethene (TCE)	30

Notes:
All units are in micrograms per liter (ug/L)
1 – Prepared in accordance with Georgia Rules for Water Quality Control Chapter 391-3-6-.03(5)(e)(iv).
2 – None identified at this time

These not-to-exceed VOC concentrations are applicable under “annual average or higher stream flow conditions”. In accordance with the approved CAP, AMEC will determining the annual average stream flow for Woodall Creek at the Defoors Ferry USGS Gage and then normalize measured in-stream VOC sampling results to the annual average stream flow condition. This evaluation is discussed further in Section 5.0.

3.0 SUMMARY OF FIELD ACTIVITIES

The baseline sampling effort consisted of an assessment of existing monitoring wells and surface water sample locations across the site, installation of new monitoring wells, an assessment of groundwater quality, synoptic measurement of water levels and hydraulic gradients, and collection of groundwater and surface water samples from across the Site.

3.1 Monitoring Well and Surface Water Sampling Point Survey

AMEC performed a monitoring well survey to locate and assess the usability of the existing monitoring well network. The survey included the collection of Northing and Easting coordinates for geo-referencing purposes using a Trimble GeoExplorer Series GPS unit with sub-meter accuracy for all sampling points. Once located, monitoring well coordinates were collected and wells inspected for damage to casings, covers and well caps. Well casing diameter, well depth and material of construction were verified. A summary of the monitoring wells located are depicted on the Figure 3. Well construction details are provided in Table 1.

In several instances, the monitoring wells installed during previous environmental investigations could not be located, or were buried, abandoned or damaged. In many cases, areas of suspected wells required the use of a Schonstedt magnetic locator to assist in physically locating monitoring wells. Due to the laps in sampling activities, and no prior details regarding survey coordinates, several wells could not be located or were damaged beyond repair. A summary of missing or damaged monitoring wells is provided below.

Southern Metals Finishing - An inspection of monitoring wells on this property indicated that MW-5, MW-11, MW-15, MW-16, MW-20, DS-1, DS-2 and DR-2 have been buried, abandoned, or destroyed and could not be located. MW-8 was located; however, the well head was severely damaged and deemed unsuitable for use.

AKZO Nobel Paints (Former Glidden Paint Facility, Former ICI Paint) – An inspection of monitoring wells on this property indicated that MW-5, MW-17, MW-18, MW-19 and MW-20 have been buried, abandoned, or destroyed. MW-18 was located; however, the well head was severely damaged and deemed unsuitable for use.

Dobbins Mini-Warehouse Property (Former Huber Motor Express, Former Glidden Paint Facility) - An inspection of monitoring wells on this property indicated that MW-1, MW-2, MW-5S, MW-10 and MW-16 have either been buried and could not be located or were abandoned.

Futurex (Ellsworth Realty Property) – There are reportedly no associated wells located on this property.

Restaurant Supply Property (JMDH Real Estate) (Former Republic, Former Jodaco, Former Anderson, Former Case-Hoyt Property) – AMEC was able to locate and inspect all monitoring wells on this property.

Daltile Property (Former Reynolds Metal Property) - AMEC was able to locate and inspect all monitoring wells on this property. In addition, two previously unidentified monitoring wells are located on the property. To date, AMEC has been unable to identify their origin and ownership, but has incorporated them into the well inventory as RPMW-1 and RPMW-2.

Midtown West Properties, (Former M-West, former Georgia Pacific, Former ABC Supply, BVV, LLC, Property) - An inspection of monitoring wells on this property indicated that MW-1,

MW-2, MW-6, and MW-13 have been buried, abandoned or destroyed. Surface water sampling locations S7, S8 and S9 reported by previous consultants are located within an underground stormwater conveyance beneath the property and represents a confined space hazard. AMEC elected not to utilize these sampling points due to safety concerns.

Goodstone Property, (Acquired by Midtown West Partners, LLC in 2011) - AMEC was able to locate and inspect all monitoring wells on this property.

3.2 Monitoring Well Installation

In a letter dated 1 October 2012, EPD requested the installation of additional downgradient monitoring wells. Four additional wells, two shallow and two intermediate, were planned for installation prior to the baseline sampling effort. Two intermediate wells would be strategically located to evaluate groundwater flow conditions near the basal section of the residuum above the bedrock surface nearer to Woodall Creek, while two additional shallow monitoring wells would be installed to further bracket the shallow groundwater plume. In February of 2014, AMEC supervised the installation of one shallow monitoring well (HOAMW-14) on the M-West HOA property, and two intermediate monitoring wells, MTMW-7I and HOAMW-5I were installed on the Midtown West and M-West HOA Properties, respectively.

The second shallow monitoring well was scheduled to be installed along the property border between the Midtown West and Daltile Property. However, the well was not completed as refusal above the shallow water table prevented advancement of the auger to the desired depth. The borehole was off-set in an attempt to install the shallow monitoring well, but again, refusal was encountered preventing achievement of the desired depth. As a alternate, a new well, not previously known, had been installed on the Daltile property (RPMMW-2) at the desired depth and approximate location. Information as to the installer and purpose of this well was unknown by the owners representative of this property. An attempt to identify the installer was made via an EPD file review, but no information could be identified. Therefore, the well construction details are unknown, i.e., screen length.

Shallow monitoring well HOAMW-14 was installed to bracket the lateral extend of the shallow groundwater plume north of the M-West HOA monitoring well HOAMW-6. The soil boring for HOAMW-14 was advanced to a total depth of 41 feet below ground surface (ft bgs), approximately 10 ft below saturated soil, and was constructed as a Type II monitoring wells with 15 ft of screen.

Intermediate monitoring wells MTWMW-7I and HOAMW-5I were clustered with the existing shallow wells MTWMW-7 and HOAMW-5. Specifically, HOAMW-5I was installed adjacent to shallow monitoring well HOAMW-5 and HOAMW-7I was installed adjacent to shallow monitoring well HOAMW-7. Soil borings were advanced until refusal/competent bedrock was encountered. MTWMW-7I and HOAMW-5I were constructed as Type III “double-cased” monitoring wells, such that the outer casing extends to 5 feet above top of competent bedrock and the screened interval was placed within the basal residuum/top of bedrock. Boring Logs and Well Construction details are provided in **Table 1** and **Appendices A & B**, respectively.

The monitoring wells were installed in general accordance with guidance set forth in the USEPA Region IV Science and Ecosystem Support Division (SESD) guidance SESDGUID-101-R1 (USEPA, 2013). Monitoring well borings were drilled from ground surface to termination depth using hallow-stem auger and air rotary tools provided by Betts Environmental Recovery.

Pilot borings for the wells were advanced using decontaminated hollow-stem auger tools. Subsurface soil was collected on a continuous basis on approximate 2-foot sampling intervals using split-spoon sampling tools. Soil was logged and screened using a Photoionization Detector (PID) to total depth. Soil boring logs were completed for each borehole. Soil cuttings generated during drilling were containerized as investigative derived waste (IDW) into 55-gallon United States Department of Transportation (USDOT) approved drums.

Monitoring wells were constructed using new, 2-inch diameter, flush threaded Schedule 40 PVC casing and factory-slotted 0.010 inch (10 Slot) opening dimension screen.

Annular backfill materials consist of factory-graded, silica #1 filter material and bentonite seal. Surface completion includes a concrete surface seal and square well pad three feet on a side and a minimum 4 inches in thickness at the edge. MTWMW-7I was fitted with a flush-mount protective surface casing incorporating a steel manhole skirt and bolt-down traffic rated manhole cover. HOAMW-5I and HOAMW-14 were fitted with above ground “stick-up” vaults. Newly installed well completion logs are provided in Appendix B.

Wells were developed by over-pumping using a decontaminated submersible pump. Samples of purged development water were analyzed in the field at regular intervals using a portable water-quality analyzer. Development was considered complete when water quality readings for pH, temperature, and conductivity had stabilized and the development water was clear to the un-aided eye, or when a maximum of three (3) well volumes of groundwater have been removed from the well. A well volume is considered to be the groundwater entrained in the saturated filter pack in addition to water in the well casing, based on the initial static water level.

All down-hole equipment and tools used in drilling, well construction, and well development was decontaminated prior to being placed into service at the site and between the individual drilling/well locations. Decontamination liquids and development water were containerized in USDOT approved 55-gallon steel drums.

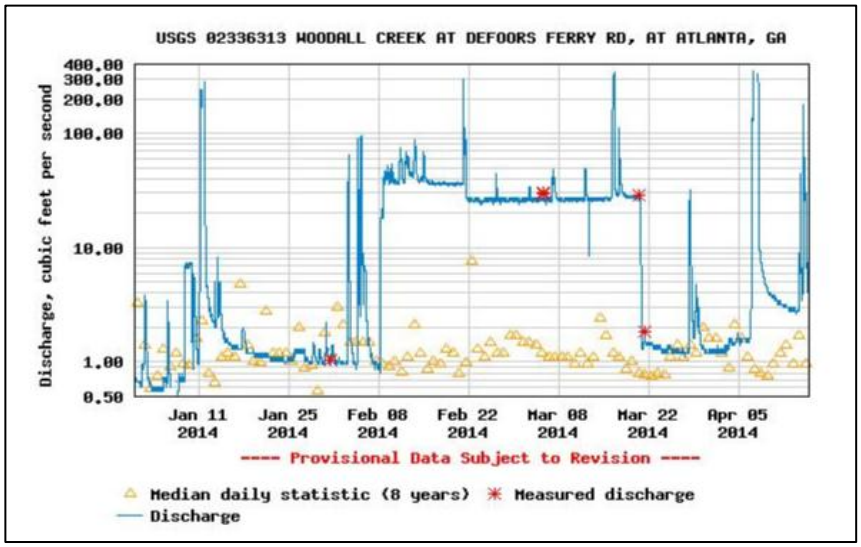
3.2.1 New Well and Surface Water Point Survey

At the completion of the monitoring well installation program, new wells were surveyed for top of casing elevation by a GA licensed Land Surveyor. Northing and easting locations were collected at each located well, as well as surface water sampling points as part of the initial monitoring well survey. **Table 2** provides the coordinates data for located wells and surface water sampling locations. In conjunction with the initial monitoring well survey, a series of three staff gauges were placed within Woodall Creek near sample points 9 and 10.

3.3 Synoptic Potentiometric Groundwater Elevation Survey

At the conclusion of the monitoring well survey and new well installation program, a synoptic groundwater level measuring event was performed across the Site. On March 5, 2014, three AMEC field personnel collected depth to water and total depth of well measurements in each of the located wells. In addition, surface water elevations were collected from staff gauges along Woodall Creek. It should be noted between approximately February 8, 2014 and March 21, 2014, a release from the City of Atlanta’s potable water intake caused a spike in surface water flow into Woodall Creek. According to Watershed Protection staff, the discharge to Woodall Creek was caused when a blow off valve for the 40” raw water transmission main was left in the open position. During this time, surface water flows in Woodall Creek increased from an average of around 1 cubic foot per second (cfs) to as high as 41 cfs as seen in the adjacent chart. (Source: USGS National Water Information System; Woodall Creek at Defoors Ferry Rd Gauge)

On March 5, 2014, groundwater and surface water elevations were measure in each monitoring well to the nearest 0.01 feet using electronic water level indicators. A summary of water level measurements from this event is provided in **Table 3**. Shallow monitoring well data and surface water elevations were used to approximate the shallow groundwater potentiometric surface elevation. **Figure 4** represents the potentiometric surface elevation as measured on March 5, 2014.



3.4 Groundwater Sampling

The March 2014 baseline groundwater sampling event included the collection of groundwater samples from all locatable pre-existing monitoring wells, newly installed monitoring wells, and wells added to the monitoring well inventory. The March 2014 sampling event included collection of groundwater samples from 64 monitoring wells from across the Site. Construction details for each of these wells are presented in **Table 1**. The location of each monitoring well is presented as **Figure 3**.

Each well was sampled using low-flow sampling methodology as specified in the United States Environmental Protection Agency (USEPA) Region 4 Field Branches Quality System and Technical Procedures. Each monitoring well was purged with a peristaltic pump and dedicated/disposable tubing. The pump intake was carefully placed approximately mid-way in the screened interval with minimum disturbance to the well. The depth of the pump intake was noted on the field sampling log form for each monitoring well. The field parameters pH, temperature, turbidity, specific conductivity, oxidation-reduction potential, and dissolved oxygen (DO) were monitored while purging. Well Development occurred until field parameters stabilized for each monitoring well. The parameters were measured using a calibrated multi-parameter Horiba™ water quality meter. Stabilization was defined as three consecutive readings taken between 5 and 10 minutes apart in which the following ranges were observed: pH (+/-0.1), specific conductivity (+/-3%), oxidation-reduction potential (+/-10 mV), DO (+/-10%), and turbidity (+/-10%). Purge water generated from each monitoring well was containerized into USDOT approved 55-gallon steel drums. Groundwater sampling logs for the March 2014 Baseline Sampling event are presented in **Appendix C**.

Once field parameters stabilized within each well, groundwater samples were collected in accordance with USEPA Low Flow Sampling guidance as follows:

- First, a ferrous iron sample was collected directly from the peristaltic pump for field determination of ferrous iron by the 1,10-phenonthroline method (Hach Method 8146).

- Second, sulfide, chloride, nitrate and sulfate samples were collected directly from the peristaltic pump into laboratory-supplied sample containers.
- Next, the peristaltic pump was turned off and the sample tubing was removed from the well with water still in it. The VOC, ethane, ethane, methane, and total organic carbon samples were then collected by reversing the flow of the peristaltic pump, allowing the groundwater to trickle into the clean, laboratory supplied sample vials. Care was taken to ensure that the discharge tubing was not submerged in the purge water bucket.

Groundwater samples were submitted to Gulf Coast Analytical Laboratories (GCAL) of Baton Rouge, Louisiana. The samples collected during the March 2014 sampling event were submitted for analysis of nitrate, sulfate and chloride by EPA method 9056A; methane, ethane and ethene by EPA method RSK-175; VOCs by EPA method 8260B and total organic carbon by EPA method 9060A.

For quality assurance/quality control (QA/QC) purposes, duplicate (DUP), equipment blank, and matrix spike/matrix spike duplicate (MS/MSD) samples were collected during the event. Additionally, trip blank and temperature blank samples accompanied each sample shipment to the laboratory.

3.5 Surface Water Sampling

As noted previously in Section 3.3, flow conditions in Woodall Creek were temporarily elevated from a release from the raw water transmission line for the City of Atlanta when a valve was inadvertently left open. Flow conditions were allowed to stabilize by monitoring flow, turbidity and temperature from the USGS National Water Information System for the Defoors Ferry gauge.

Sample aliquots were collected by using a decontaminated Teflon scoop, in general accordance with the guidance provided in the USEPA's SESDPROC-201-R3 dated February 28, 2013, using pre-cleaned, laboratory-supplied containers. Surface water samples were collected taking care to minimize turbidity in the surface water during sample collection. The surface water samples collected during the March 2014 sampling event were submitted for analysis of VOCs by EPA method 8260B. Copies of the surface water sampling field notes are provided in **Appendix D**.

3.6 Investigation Derived Waste Management

Investigation Derived Waste including 11 drums of soil cuttings from drilling operations, and 4 drums of liquid generated from well development water, decontamination water, and monitoring well purge water. Investigation derived wastes were containerized into USDOT approved 55-gallon steel drums. One composite sample of soil cuttings was collected for analysis by toxicity characteristic leaching procedure (TCLP) for VOCs, for characterized purposes. Total VOC concentrations from the groundwater sampling were used to characterize the purge and decontamination water. Both liquid and solids generated were characterized as non-hazardous waste for disposal/treatment purposes. All drums were transported by A&D Environmental for proper disposal. Copies of the soil TCLP results and waste manifests are provided as **Appendix E**.

4.0 GROUNDWATER SAMPLING RESULTS

This section presents a brief overview of the results for the March 2014 Baseline Sampling Event. A detailed discussion of the results will be provided in the 2014 Annual Corrective Action Progress Report.

4.1 March 2014 Groundwater Analytical Results

The March 2014 baseline groundwater sampling event was conducted from March 11 through 25, 2014. The 64 monitoring wells located at the Site were gauged using a Solinst water level probe on March 5, 2014 prior to sampling. **Table 4** summarizes the data for the March 2014 sampling event in comparison to the each compounds established Type 1 Risk Reduction Standard (RRS). **Table 5** provides a summary of key current and historic groundwater COCs. **Figure 5** through **Figure 10** depict the March 2014 isocontoured shallow groundwater and intermedial groundwater concentrations for PCE, TCE, and cis-1,2-DCE. The laboratory analytical data packages for the baseline event are contained in **Appendix E**.

Groundwater monitoring results indicated the presence of one or more of the following VOCs in groundwater samples collected during the Woodall Creek Site Baseline Groundwater Monitoring effort.

Parameter	Maximum Detected Concentration (ug/L)	Sample ID Of Maximum Detection
1,1,1-Trichloroethane	0.993	MTWMW-7I
1,1-Dichloroethane	3.06	MPMW-15
1,1-Dichloroethene	2.45	DPMW-21
1,2-Dichlorobenzene	0.683	SMFMW-6
1,4-Dichlorobenzene	0.203	SMFMW-6
2-Butanone	1.71	SMFMW-6
2-Hexanone	7.03	SMFMW-6
4-Methyl-2-pentanone	0.977	SMFMW-6
Acetone	6.33	RPMW-15
Benzene	4.98	JPMW-22
Bromoform	0.33	SMFMW-10
Chloroform	15.8	MTWMW-4
Cyclohexane	0.971	MTWMW-10
Ethylbenzene	22.4	SMFMW-6
Isopropylbenzene	24.4	SMFMW-6
Methylcyclohexane	1.36	MTWMW-10
Methylene chloride	0.286	DPMW-28
Tetrachloroethene	788	RPMW-1
Trichloroethene	641	RPMW-1
Vinyl chloride	23.2	MTWMW-7
Xylene (total)	159	SMFMW-6
cis-1,2-Dichloroethene	167	RPMW-1
m,p-Xylene	42.3	SMFMW-6
o-Xylene	117	SMFMW-6
tert-Butyl methyl ether (MTBE)	0.551	MPMW-15
trans-1,2-Dichloroethene	1.96	GPMW-19

In general, 2014 VOC groundwater results are lower when compared to historic groundwater VOC data. A summary of the current and historic groundwater quality for the Woodall Creek Site Wells is provided as **Table 5**. There is further evidence that the current plume footprint when compared to previous efforts has been reduced in maximum contaminant levels and footprint.

As mentioned previously, groundwater samples were additionally analyzed for natural attenuation parameters, the results of which are summarized in **Table 4**. This information will provide a baseline for evaluating natural attenuation processes as the groundwater monitoring program progresses. **Table 4** also provides a summary of the field parameters measured at the time of collection for each of the groundwater samples collected and includes temperature, pH, turbidity, conductivity, oxygen reduction potential (ORP) and dissolved oxygen.

5.0 SURFACE WATER SAMPLING RESULTS

This section presents a brief overview of the results for the March 2014 Baseline Sampling Event. A detailed discussion of the results will be provided in the 2014 Annual Corrective Action Progress Report.

5.1 March 2014 Surface Water Analytical Results

The March 2014 baseline surface water sampling event was conducted on March 25, 2014. Surface water samples were collected in accordance with SEDS "Surface Water Sampling Procedure" dated February 28, 2013 (SESDPROC-201-R1). Samples were collected from stream sample points 1, 6, 9 through 19 and PB. **Table 6** summarizes the analytical data for the March 2014 surface water sampling event. The laboratory analytical data packages for the event are contained in **Appendix F**.

Georgia's Water use Classifications and Water Quality Standards (391-3-6.03 (5) (e) (iv)) specify not-to-exceed in-stream concentrations for a list of VOC chemical constituents, including TCE and PCE. These not-to-exceed VOC concentrations are applicable under "annual average or higher stream flow conditions". In accordance with the approved CAP, AMEC has determining the annual average stream flow for Woodall Creek at the Defoors Ferry USGS Gage and then normalized measured in-stream VOC sampling results to the annual average stream flow condition.

AMEC calculated the 30-year moving average utilizing the USGS continuous stream flow record for Woodall Creek at Defoors Ferry began in 2006 in combination with the nearby Peachtree Creek USGS Gage which began continuous operation in 1958 and can, therefore, be used as a reference or index station for record extension and augmentation of the short-term record available for the Woodall Creek Defoors Ferry Gage. Based on the below information, the calculated annual average flow for Woodall Creek at Defoors Ferry Gage is 3.92 cubic feet per second (CFS).

Woodall Creek Gage 2006 – 2012

Sum of the Annual Average Flow – 20.68 cfs
Number of records – 7
Average Annual Flow 20.68 cfs / 7 = 2.95 cfs

Peachtree Creek Gage – 2006 - 2012

Sum of Annual Average Flow – 693.4 cfs
Number of Records – 7
Average Annual Flow 99.06 cfs / 7 = 99.06 cfs

Peachtree Creek Gage 1983 – 2012

Sum of Annual Average Flow – 3953 cfs
Number of Records – 30
Average Annual Flow 3953 cfs / 30 = 131.77 cfs

Information obtained from the USGS Surface Water Annual Statistics is provided in **Appendix G**. The long-term annual average flow Woodall Creek Gage adjusted to the 30 year base period for Peachtree Creek Gage is therefore calculated as:

(2.95 / 99.06) * 131.77 = 3.92 cfs

The stream flow in Woodall Creek, as measured at the Defoors Ferry Gage on March 25, 2014 was 1.3 cfs. Normalized surface water analytical results for the Woodall Creek surface water samples were derived by multiplying the actual analytical sample results by the ratio of the concurrent instantaneous stream flow recorded at the Woodall Creek USGS Gage for the specific time of surface water sampling (1.3 cfs) divided by the annual average stream-flow determined for the Woodall Creek Gage based on the above methodology for annual average stream flow. The flow-normalized analytical results are presented on **Table 7** along with historical surface water concentrations. **Figure 11** depicts the March 2014 surface water concentrations for key COCs.

6.0 SCHEDULE

Activities associated with the implantation of the CAP have been in accordance with the approved schedule. An update of the schedule is provided a **Figure 12**. The first annual groundwater monitoring event is currently scheduled for September 2014.

TABLES

Table 1
Monitoring Well Construction Details
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 1 of 3)

Well Number	Date of Construction	Top of Casing Elevation	Total Well Depth (ft)	Type of Well	Water-Bearing Zone Monitoring Interval	Well Casing Length (ft)*	Well Screen Length (ft)
SOUTHERN METAL FINISHING PROPERTY WELLS							
SMFMW-1	10/4/2000	899.16	25	Type II	Shallow	10	15
SMFMW-2	10/4/2000	901.25	29	Type II	Shallow	14	15
SMFMW-3	10/4/2000	900.29	26	Type II	Shallow	11	15
SMFMW-4	10/5/2000	899.78	24	Type II	Shallow	9	15
SMFMW-5	10/5/2000	899.63	25	Type II	Shallow	10	15
SMFMW-6	10/19/2000	901.17	24	Type II	Shallow	9	15
SMFMW-7	10/19/2000	906.35	26	Type II	Shallow	11	15
SMFMW-8	10/19/2000	899.85	23.5	Type II	Shallow	8.5	15
SMFMW-9	11/10/2000	903.78	27	Type II	Shallow	12	15
SMFMW-10	11/10/2000	903.90	27	Type II	Shallow	12	15
SMFMW-11	11/10/2000	908.47	20	Type II	Shallow	10	10
SMFMW-12	1/29/2001	894.60	20.5	Type II	Shallow	10	10.5
SMFMW-13	1/29/2001	895.45	28	Type II	Shallow	13	15
SMFMW-14	1/29/2001	894.94	18.5	Type II	Shallow	8	10.5
SMFMW-15	5/4/2001	895.89	18.5	Type II	Shallow	8	10.5
SMFMW-16	5/4/2001	898.27	18.5	Type II	Shallow	8	10.5
SMFMW-17	7/19/2004	904.50	30	Type II	Shallow	20	10
SMFMW-18	7/19/2004	911.61	30	Type II	Shallow	20	10
SMFPl-1	3/24/2008	ND	35	Type ll	Shallow	25	10
SMFDS-1	5/10/2002	906.19	37	Type III	Intermediate (Top of Bedrock)	28 (34.5)	2.5
SMFDS-2	5/10/2002	894.54	31	Type III	Intermediate (Top of Bedrock)	20 (28.5)	2.5
SMFDS-3	5/10/2002	900.04	37.5	Type III	Intermediate (Top of Bedrock)	15 (35)	2.5
SMFDR-1	8/3/2002	906.16	49	Type III	Fractured Bedrock	39 (44)	5
SMFDR-2	6/4/2002	894.65	42	Type III	Fractured Bedrock	33 (39.5)	2.5
SMFDR-3	6/4/2002	899.90	53.5	Type III	Fractured Bedrock	39 (51)	2.5
SMFMW-1D	8/3/2004	900.97	96.5	Type III	Fractured Bedrock	53 (65) (88)	Open Hole from 88 to 96.5
MACY'S PROPERTY WELLS							
MPMW-15	ND	896.40	18.1	Type II	Shallow	8.1	10
MPMW-16	ND	898.41	18.6	Type II	Shallow	8.6	10
MPMW-19	5/6/2005	ND	30	Type II	Shallow	15	15
DOBBINS PROPERTY WELLS							
DPMW-1	ND	895.65	35	Type II	Shallow	25	10
DPMW-1S	4/6/2004	895.99	25.5	Type II	Shallow	15.5	10
DPMW-2	ND	896.14	30	Type II	Shallow	20	10
DPMW-2S	4/9/2004	895.29	24.3	Type II	Shallow	14.3	10
DPMW-2I	4/13/2004	895.71	50	Type III	Intermediate (Top of Bedrock)	30 (40)	10
DPMW-3S	4/6/2004	895.61	30	Type II	Shallow	20	10
DPMW-3I	4/9/2004	895.67	50	Type III	Intermediate (Top of Bedrock)	30 (40)	10
DPMW-4S	4/13/2004	895.80	25.2	Type II	Shallow	15.2	10
DPMW-4I	4/16/2004	895.57	50	Type III	Intermediate (Top of Bedrock)	30 (40)	10
DPMW-5S	8/4/2004	ND	35	Type II	Shallow	25	10
DPMW-9	ND	895.10	50	Type II	Shallow	40	10

Table 1
Monitoring Well Construction Details
Woodall Creek Site
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Well Number	Date of Construction	Top of Casing Elevation	Total Well Depth (ft)	Type of Well	Water-Bearing Zone Monitoring Interval	Well Casing Length (ft)*	Well Screen Length (ft)
DPMW-10	ND	896.14	51.3	Type II	Shallow	41.3	10
DPMW-14	ND	895.98	50	Type II	Shallow	40	10
DPMW-15	ND	ND	86.7	Type II	Intermediate (Top of Bedrock)	76.7	10
DPMW-16	ND	896.71	96.8	Type III	Fractured Bedrock	Unknown	Open Hole from 89 to 96.8
DPMW-25	10/27/2010	895.58	50	Type II	Shallow	30	20
DPMW-26	10/27/2010	897.11	50	Type II	Shallow	30	20
DPMW-27	10/27/2010	901.30	50	Type II	Shallow	30	20
DPMW-28	10/27/2010	896.25	50	Type II	Shallow	30	20
RESTAURANT SUPPLY (FORMER JODACO PROPERTY) WELLS							
JPMW-16	3/24/2010	864.63	50	Type II	Shallow	20	30
JPMW-17	3/24/2010	864.52	50	Type II	Shallow	20	30
JPMW-21	6/10/2010	858.70	39	Type II	Shallow	9	30
JPMW-22	6/10/2010	866.76	50	Type II	Shallow	20	30
JPMW-23	6/10/2010	866.71	49	Type II	Shallow	19	30
JPBRW-1	ND	864.52	164.5	Type III	Fractured Bedrock	Unknown	Open Hole from 147.5 to 164.5
DALTILE (FORMER REYNOLDS PROPERTY) WELLS							
RPMW-1	Unknown	853.39	20	Unknown	Shallow	Unknown	Unknown
RPMW-2	Unknown	871.62	29	Unknown	Shallow	Unknown	Unknown
RPMW-14	3/24/2010	861.23	50	Type II	Shallow	25	25
RPMW-15	3/24/2010	861.44	50	Type II	Shallow	20	30
RPMW-24	6/10/2010	865.29	50	Type II	Shallow	20	30
GOOSTONE PROPERTY WELLS (1494 & 1510 ELLSWORTH INDUSTRIAL BLVD.)							
GPMW-11	7/30/2009	847.92	39	Type II	Shallow	14	25
GPMW-18	3/26/2010	846.48	40	Type II	Shallow	10	30
GPMW-19	3/26/2010	841.86	36.5	Type II	Shallow	11.5	25
GPMW-20	6/10/2010	848.27	40	Type II	Shallow	10	30
M-WEST HOA (FORMER ABC SUPPLY PROPERTY) WELLS							
HOAMW-3	7/9/2008	840.98	40	Type II	Shallow	10	30
HOAMW-5	10/31/2008	841.06	35	Type II	Shallow	10	25
HOAMW-5I	2/19/2014	843.89	38	Type III	Intermediate	33 (33)	5
HOAMW-6	1/8/2009	841.10	36	Type II	Shallow	11	25
HOAMW-14	2/18/2014	857.36	41	Type II	Shallow	26	15
MIDTOWN WEST (FORMER M-WEST LOTS/ABC SUPPLY PROPERTY) WELLS							
MTWMW-1	7/9/2008	841.33	40	Type II	Shallow	10	30
MTWMW-2	7/9/2008	839.37	39	Type II	Shallow	9	30
MTWMW-4	10/31/2008	840.01	36	Type II	Shallow	11	25
MTWMW-7	1/8/2009	844.41	40	Type II	Shallow	15	25
MTWMW-7I	2/19/2014	844.59	30	Type III	Intermediate	23 (25)	5
MTWMW-8	3/19/2009	846.95	40	Type II	Shallow	15	25
MTWMW-9	3/19/2009	848.45	35.5	Type II	Shallow	15.5	20
MTWMW-10	3/19/2009	849.43	35.5	Type II	Shallow	15.5	20
MTWMW-12	7/29/2009	845.66	38.0	Trype ll	Shallow	13.0	25
MTWMW-13	7/29/2009	ND	11	Type II	Shallow	6	5
GLIDDEN PROPERTY WELLS							
AKZMW-3	ND	893.77	35	Type II	Shallow	25	10
AKZMW-4	ND	890.12	27	Type II	Shallow	17	10
AKZMW-5	ND	905.05	30	Type II	Shallow	20	10
AKZMW-6	ND	899.36	23	Type II	Shallow	13	10
AKZMW-7	ND	897.80	23	Type II	Shallow	13	10

Table 1
Monitoring Well Construction Details
Woodall Creek Site
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Well Number	Date of Construction	Top of Casing Elevation	Total Well Depth (ft)	Type of Well	Water-Bearing Zone Monitoring Interval	Well Casing Length (ft)*	Well Screen Length (ft)
AKZMW-8	ND	894.89	23	Type II	Shallow	13	10
AKZMW-17	ND	901.46	57.5	Type II	Intermediate (Top of Bedrock)	37.5	20
AKZMW-18	ND	901.44	25.5	Type II	Shallow	10.5	15
AKZMW-19	ND	901.04	25	Type II	Shallow	15	10
AKZMW-20	ND	899.60	24.7	Type II	Shallow	14.7	10

Notes:

*For Type III wells: outer casing depth (inner casing depth)

Elevations are relative to the National Geodetic Vertical Datum of 1929 (mean sea level).

ND - Data not know/elevation not determined/surveyed

Source: Peachtree Environmental, LLC, December 2011 Woodall Creek CAP Addendum

Table 2
Monitoring Well and Surface Water Sampling Point Coordinates
Woodall Creek Site
Atlanta, Fulton County, Georgia
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Well Number	Top of Casing Elevation	Longitude	Latitude	Water-Bearing Zone Monitoring Interval
SOUTHERN METAL FINISHING PROPERTY WELLS				
SMFMW-1	899.16	-84.424240	33.797907	Shallow
SMFMW-2	901.25	-84.424217	33.797658	Shallow
SMFMW-3	900.29	-84.424228	33.797563	Shallow
SMFMW-4	899.78	-84.423963	33.797564	Shallow
SMFMW-5	899.63			Shallow
SMFMW-6	901.17	-84.422945	33.797590	Shallow
SMFMW-7	906.35	-84.423405	33.797799	Shallow
SMFMW-8	899.85			Shallow
SMFMW-9	903.78	-84.423605	33.797698	Shallow
SMFMW-10	903.90	-84.423954	33.797669	Shallow
SMFMW-11	908.47	-84.422441	33.798423	Shallow
SMFMW-12	894.60	-84.424312	33.797333	Shallow
SMFMW-13	895.45	-84.424268	33.796809	Shallow
SMFMW-14	894.94	-84.424310	33.797632	Shallow
SMFMW-15	895.89			Shallow
SMFMW-16	898.27			Shallow
SMFMW-17	904.50	-84.423881	33.798143	Shallow
SMFMW-18	911.61	-84.422959	33.797997	Shallow
SMFPI-1	ND	-84.424508	33.797392	Shallow
SMFDS-1	906.19			Intermediate (Top of Bedrock)
SMFDS-2	894.54			Intermediate (Top of Bedrock)
SMFDS-3	900.04	-84.423977	33.797564	Intermediate (Top of Bedrock)
SMFDR-1	906.16	-84.423403	33.797708	Fractured Bedrock
SMFDR-2	894.65	-84.424319	33.797544	Fractured Bedrock
SMFDR-3	899.90	-84.423986	33.797512	Fractured Bedrock
SMFMW-1D	900.97	-84.424188	33.797564	Fractured Bedrock
MACY'S PROPERTY WELLS				
MPMW-15	896.40	-84.424423	33.797500	Shallow
MPMW-16	898.41			Shallow
MPMW-19	ND	-84.424910	33.797704	Shallow
DOBBINS PROPERTY WELLS				
DPMW-1	895.65			Shallow
DPMW-1S	895.99	-84.424527	33.797006	Shallow
DPMW-2	896.14			Shallow
DPMW-2S	895.29	-84.424508	33.797392	Shallow
DPMW-2I	895.71	-84.424556	33.797388	Intermediate (Top of Bedrock)
DPMW-3S	895.61	-84.424982	33.797118	Shallow
DPMW-3I	895.67	-84.424974	33.797103	Intermediate (Top of Bedrock)
DPMW-4S	895.80	-84.424484	33.797203	Shallow

Table 2
Monitoring Well and Surface Water Sampling Point Coordinates
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 2 of 3)

Well Number	Top of Casing Elevation	Longitude	Latitude	Water-Bearing Zone Monitoring Interval
DPMW-4I	895.57	-84.424482	33.797168	Intermediate (Top of Bedrock)
DPMW-5S	ND			Shallow
DPMW-9	895.10			Shallow
DPMW-10	896.14			Shallow
DPMW-14	895.98			Shallow
DPMW-15	ND			Intermediate (Top of Bedrock)
DPMW-16	896.71			Fractured Bedrock
DPMW-25	895.58	-84.425535	33.796238	Shallow
DPMW-26	897.11	-84.425503	33.796686	Shallow
DPMW-27	901.30	-84.425267	33.796523	Shallow
DPMW-28	896.25	-84.425219	33.796240	Shallow
RESTAURANT SUPPLY (FORMER JODACO PROPERTY) WELLS				
JPMW-16	864.63	-84.426520	33.795497	Shallow
JPMW-17	864.52	-84.426480	33.795982	Shallow
JPMW-21	858.70	-84.426393	33.796169	Shallow
JPMW-22	866.76	-84.425868	33.796229	Shallow
JPMW-23	866.71	-84.425569	33.796144	Shallow
JPBRW-1	864.52	-84.426774	33.795462	Fractured Bedrock
DALTILE (FORMER REYNOLDS PROPERTY) WELLS				
RPMW-1	853.39	-84.426655	33.795329	Shallow
RPMW-2	871.62	-84.425394	33.794610	Shallow
RPMW-14	861.23	-84.426557	33.794992	Shallow
RPMW-15	861.44	-84.426530	33.795243	Shallow
RPMW-24	865.29	-84.425947	33.795425	Shallow
GOOSTONE PROPERTY WELLS (1494 & 1510 ELLSWORTH INDUSTRIAL BLVD.)				
GPMW-11	847.92	-84.427144	33.795542	Shallow
GPMW-18	846.48	-84.427926	33.796005	Shallow
GPMW-19	841.86	-84.427215	33.796167	Shallow
GPMW-20	848.27	-84.427218	33.796513	Shallow
M-WEST HOA (FORMER ABC SUPPLY PROPERTY) WELLS				
HOAMW-3	840.98	-84.428125	33.795378	Shallow
HOAMW-5	841.06	-84.428227	33.795490	Shallow
HOAMW-5I	843.89	-84.428256	33.795491	Intermediate (Top of Bedrock)
HOAMW-6	841.10			Shallow
HOAMW-14	857.36	-84.428780	33.797370	Shallow
MIDTOWN WEST (FORMER M-WEST LOTS/ABC SUPPLY PROPERTY) WELLS				
MTWMW-1	841.33			Shallow
MTWMW-2	839.37			Shallow
MTWMW-4	840.01	-84.427937	33.795276	Shallow
MTWMW-7	844.41	-84.427792	33.794544	Shallow
MTWMW-7I	844.59	-84.427788	33.794549	Intermediate (Top of Bedrock)
MTWMW-8	846.95	-84.427174	33.795009	Shallow
MTWMW-9	848.45	-84.427175	33.795153	Shallow

Table 2
Monitoring Well and Surface Water Sampling Point Coordinates
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 3 of 3)

Well Number	Top of Casing Elevation	Longitude	Latitude	Water-Bearing Zone Monitoring Interval
MTWMW-10	849.43	-84.427168	33.795364	Shallow
MTWMW-12	845.66	-84.427170	33.794836	Shallow
MTWMW-13	ND			Shallow
GLIDDEN PROPERTY WELLS				
AKZMW-3	893.77	-84.424145	33.796212	Shallow
AKZMW-4	890.12	-84.423495	33.796700	Shallow
AKZMW-5	905.05			Shallow
AKZMW-6	899.36	-84.423323	33.797445	Shallow
AKZMW-7	897.80	-84.423570	33.797449	Shallow
AKZMW-8	894.89	-84.424036	33.797456	Shallow
AKZMW-17	901.46			Intermediate (Top of Bedrock)
AKZMW-18	901.44			Shallow
AKZMW-19	901.04			Shallow
AKZMW-20	899.60			Shallow
SURFACE WATER LOCATIONS				
S 01	NA	-84.427223	33.794021	NA
S 06	NA	-84.427805	33.794312	NA
S 09	NA	-84.428130	33.794952	NA
S 10	NA	-84.428144	33.795074	NA
S 11	NA	-84.428267	33.795220	NA
S 12	NA	-84.428341	33.795252	NA
S 13	NA	-84.428431	33.795304	NA
S 14	NA	-84.428487	33.795390	NA
S 15	NA	-84.428570	33.795516	NA
S 16	NA	-84.428680	33.795652	NA
S 17	NA	-84.428800	33.795799	NA
S 18	NA	-84.429050	33.796044	NA
S 19	NA	-84.429125	33.796259	NA
PB	NA	-84.429525	33.796633	NA

Notes:
Elevations are relative to the National Geodetic Vertical Datum of 1929 (mean sea level).
Denotes Monitoring Well Not Located
NA - Not Applicable

Table 3
Summary of Groundwater Elevation Data Collected March 5, 2014
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 1 of 3)

Well Number	Date Measured	Top of Casing Elevation	Well Casing Length (ft)*	Well Screen Length (ft)	Depth to Water (feet BTOC)	Potentiometric Elevation (feet)
SOUTHERN METAL FINISHING PROPERTY WELLS						
SMFMW-1	3/5/2014	899.16	10	15	15.46	883.70
SMFMW-2	3/5/2014	901.25	14	15	15.75	885.50
SMFMW-3	3/5/2014	900.29	11	15	16.71	883.58
SMFMW-4	3/5/2014	899.78	9	15	13.44	886.34
SMFMW-5	NM	899.63	10	15	Not Found	NA
SMFMW-6	3/5/2014	901.17	9	15	14.35	886.82
SMFMW-7	3/5/2014	906.35	11	15	16.87	889.48
SMFMW-8	NM	899.85	8.5	15	Destroyed	NA
SMFMW-9	3/5/2014	903.78	12	15	15.42	888.36
SMFMW-10	3/5/2014	903.90	12	15	16.80	887.10
SMFMW-11	NM	908.47	10	10	Not Found	NA
SMFMW-12	3/5/2014	894.60	10	10.5	12.65	881.95
SMFMW-13	3/5/2014	895.45	13	15	17.19	878.26
SMFMW-14	3/5/2014	894.94	8	10.5	9.95	884.99
SMFMW-15	NM	895.89	8	10.5	Not Found	NA
SMFMW-16	NM	898.27	8	10.5	Not Found	NA
SMFMW-17	3/5/2014	904.50	20	10	16.17	888.33
SMFMW-18	NM	911.61	20	10	Not Measured	NA
SMFPI-1	3/5/2014	ND	25	10	13.55	NA
SMFDS-1	NM	906.19	28 (34.5)	2.5	Not Found	NA
SMFDS-2	NM	894.54	20 (28.5)	2.5	Not Found	NA
SMFDS-3	3/5/2014	900.04	15 (35)	2.5	13.76	886.28
SMFDR-1	3/5/2014	906.16	39 (44)	5	16.81	889.35
SMFDR-2	NM	894.65	33 (39.5)	2.5	Not Found	NA
SMFDR-3	3/5/2014	899.90	39 (51)	2.5	13.97	885.93
SMFMW-1D	3/5/2014	900.97	53 (65) (88)	Open Hole from 88 to 96.5	15.68	885.29
MACY'S PROPERTY WELLS						
MPMW-15	3/5/2014	896.40	8.1	10	11.85	884.55
MPMW-16	NM	898.41	8.6	10	Not Found	NA
MPMW-19	3/5/2014	ND	15	15	13.76	NA
DOBBINS PROPERTY WELLS						
DPMW-1	NM	895.65	25	10	Not Found	NA
DPMW-1S	3/5/2014	895.99	15.5	10	19.90	876.09
DPMW-2	3/5/2014	896.14	20	10	15.75	880.39
DPMW-2S	3/5/2014	895.29	14.3	10	14.28	881.01
DPMW-2I	3/5/2014	895.71	30 (40)	10	16.20	879.51
DPMW-3S	3/5/2014	895.61	20	10	25.95	869.66
DPMW-3I	3/5/2014	895.67	30 (40)	10	25.15	870.52
DPMW-4S	3/5/2014	895.80	15.2	10	16.65	879.15
DPMW-4I	3/5/2014	895.57	30 (40)	10	17.26	878.31
DPMW-5S	NM	ND	25	10	Not Found	NA

Table 3
Summary of Groundwater Elevation Data Collected March 5, 2014
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 2 of 3)

Well Number	Date Measured	Top of Casing Elevation	Well Casing Length (ft)*	Well Screen Length (ft)	Depth to Water (feet BTOC)	Potentiometric Elevation (feet)
DPMW-9	NM	895.10	40	10	Not Found	NA
DPMW-10	NM	896.14	41.3	10	Not Found	NA
DPMW-14	NM	895.98	40	10	Not Found	NA
DPMW-15	NM	ND	76.7	10	Not Found	NA
DPMW-16	NM	896.71	Unknown	Open Hole from 89 to 96.8	Not Found	NA
DPMW-25	3/5/2014	895.58	30	20	37.60	857.98
DPMW-26	3/5/2014	897.11	30	20	34.60	862.51
DPMW-27	3/5/2014	901.30	30	20	39.14	862.16
DPMW-28	3/5/2014	896.25	30	20	36.65	859.60
RESTAURANT SUPPLY (FORMER JODACO PROPERTY) WELLS						
JPMW-16	3/5/2014	864.63	20	30	19.72	844.91
JPMW-17	3/5/2014	864.52	20	30	13.95	850.57
JPMW-21	3/5/2014	858.70	9	30	5.65	853.05
JPMW-22	3/5/2014	866.76	20	30	11.20	855.56
JPMW-23	3/5/2014	866.71	19	30	9.99	856.72
JPBRW-1	3/5/2014	864.52	Unknown	Open Hole from 147.5 to 164.5	30.55	833.97
DALTILE (FORMER REYNOLDS PROPERTY) WELLS						
RPMW-1	3/5/2014	853.39	Unknown	Unknown	11.71	841.68
RPMW-2	3/5/2014	871.62	Unknown	Unknown	22.73	848.89
RPMW-14	3/5/2014	861.23	25	25	25.13	836.10
RPMW-15	3/5/2014	861.44	20	30	20.75	840.69
RPMW-24	3/5/2014	865.29	20	30	16.44	848.85
GOOSTONE PROPERTY WELLS (1494 & 1510 ELLSWORTH INDUSTRIAL BLVD.)						
GPMW-11	3/5/2014	847.92	14	25	11.00	836.92
GPMW-18	3/5/2014	846.48	10	30	9.45	837.03
GPMW-19	3/5/2014	841.86	11.5	25	12.17	829.69
GPMW-20	3/5/2014	848.27	10	30	10.21	838.06
M-WEST HOA (FORMER ABC SUPPLY PROPERTY) WELLS						
HOAMW-3	3/5/2014	840.98	10	30	15.80	825.18
HOAMW-5	NM	841.06	10	25	Not Found	NA
HOAMW-5I	3/5/2014	843.89	33 (33)	5	20.13	823.76
HOAMW-6	NM	841.10	11	25	NM	NA
HOAMW-14	3/5/2014	857.36	26	15	32.90	824.46
MIDTOWN WEST (FORMER M-WEST LOTS/ABC SUPPLY PROPERTY) WELLS						
MTWMW-1	3/5/2014	841.33	10	30	14.35	826.98
MTWMW-2	NM	839.37	9	30	Not Found	NA
MTWMW-4	3/5/2014	840.01	11	25	12.76	827.25
MTWMW-7	3/5/2014	844.41	15	25	4.84	839.57
MTWMW-7I	3/5/2014	844.59	23 (25)	5	15.75	828.84
MTWMW-8	3/5/2014	846.95	15	25	14.20	832.75
MTWMW-9	3/5/2014	848.45	15.5	20	14.91	833.54
MTWMW-10	3/5/2014	849.43	15.5	20	14.16	835.27

Table 3
Summary of Groundwater Elevation Data Collected March 5, 2014
Woodall Creek Site
Atlanta, Fulton County, Georgia
(Page 3 of 3)

Well Number	Date Measured	Top of Casing Elevation	Well Casing Length (ft)*	Well Screen Length (ft)	Depth to Water (feet BTOC)	Potentiometric Elevation (feet)
MTWMW-12	3/5/2014	845.66	13.0	25	13.32	832.34
MTWMW-13	NM	ND	6	5	Not Found	NA
GLIDDEN PROPERTY WELLS						
AKZMW-3	3/5/2014	893.77	25	10	23.37	870.40
AKZMW-4	3/5/2014	890.12	17	10	11.46	878.66
AKZMW-5	NM	905.05	20	10	Not Found	NA
AKZMW-6	3/5/2014	899.36	13	10	10.93	888.43
AKZMW-7	3/5/2014	897.80	13	10	9.54	888.26
AKZMW-8	3/5/2014	894.89	13	10	9.54	885.35
AKZMW-17	NM	901.46	37.5	20	Not Found	NA
AKZMW-18	NM	901.44	10.5	15	Not Found	NA
AKZMW-19	NM	901.04	15	10	Not Found	NA
AKZMW-20	NM	899.60	14.7	10	Not Found	NA

Notes:

*For Type III wells: outer casing depth (inner casing depth)

Elevations are relative to the National Geodetic Vertical Datum of 1929 (mean sea level).

NM - Not Measured, well not located

NA - Not Applicable

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
1 of 8

Well Designation			AKZMW-3		AKZMW-4		AKZMW-6		AKZMW-7		AKZMW-8		DPMW-1S		DPMW-25	
Property Location			AKZO		AKZO		AKZO		AKZO		AKZO		Dobbins Property		Dobbins Property	
Sample Collection Date	Unit		13-Mar-14		13-Mar-14		13-Mar-14		13-Mar-14		13-Mar-14		14-Mar-14		24-Mar-14	
VOCs		**Type 1 RRS**														
1,1,1-Trichloroethane	ug/L	200	NR		NR		NR		NR		NR		0.123	U	0.123	U
1,1,2,2-Tetrachloroethane	ug/L	1	NR		NR		NR		NR		NR		0.109	U	0.109	U
1,1,2-Trichloroethane	ug/L	5	NR		NR		NR		NR		NR		0.159	U	0.159	U
1,1-Dichloroethane	ug/L	4000	NR		NR		NR		NR		NR		0.171	U	0.171	U
1,1-Dichloroethene	ug/L	7	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
1,2,4-Trichlorobenzene	ug/L	70	NR		NR		NR		NR		NR		0.105	U	0.105	U
1,2-Dibromo-3-chloropropane	ug/L	1	NR		NR		NR		NR		NR		0.194	U	0.194	U
1,2-Dibromoethane	ug/L	1	NR		NR		NR		NR		NR		0.102	U	0.102	U
1,2-Dichlorobenzene	ug/L	600	NR		NR		NR		NR		NR		0.135	U	0.135	U
1,2-Dichloroethane	ug/L	5	NR		NR		NR		NR		NR		0.116	U	0.116	U
1,2-Dichloropropane	ug/L	5	NR		NR		NR		NR		NR		0.150	U	0.15	U
1,3-Dichlorobenzene	ug/L	600	NR		NR		NR		NR		NR		0.138	U	0.138	U
1,4-Dichlorobenzene	ug/L	75	NR		NR		NR		NR		NR		0.083	U	0.083	U
2-Butanone	ug/L	2000	NR		NR		NR		NR		NR		0.142	U	0.142	U
2-Chloroethylvinyl ether	ug/L	RL	NR		NR		NR		NR		NR		0.146	U	0.146	U
2-Hexanone	ug/L	RL	NR		NR		NR		NR		NR		0.122	U	0.122	U
4-Methyl-2-pentanone	ug/L	200	NR		NR		NR		NR		NR		0.120	U	0.12	U
Acetone	ug/L	4000	NR		NR		NR		NR		NR		**0.876**	**J**	**3.61**	**J**
Benzene	ug/L	5	NR		NR		NR		NR		NR		0.111	U	0.111	U
Bromodichloromethane	ug/L	80	NR		NR		NR		NR		NR		0.083	U	0.083	U
Bromoform	ug/L	80	NR		NR		NR		NR		NR		0.215	U	**0.322**	**J**
Bromomethane	ug/L	10	NR		NR		NR		NR		NR		0.427	U	0.427	U
Carbon disulfide	ug/L	4000	NR		NR		NR		NR		NR		0.190	U	0.19	U
Carbon tetrachloride	ug/L	5	NR		NR		NR		NR		NR		0.248	U	0.248	U
Chlorobenzene	ug/L	100	NR		NR		NR		NR		NR		0.083	U	0.083	U
Chloroethane	ug/L	1	NR		NR		NR		NR		NR		0.235	U	0.235	U
Chloroform	ug/L	80	NR		NR		NR		NR		NR		**1.19**	**J**	**5.69**	
Chloromethane	ug/L	3	NR		NR		NR		NR		NR		0.144	U	0.144	U
Cyclohexane	ug/L	1	NR		NR		NR		NR		NR		0.337	U	0.337	U
Dibromochloromethane	ug/L	80	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U
Dichlorodifluoromethane	ug/L	1000	NR		NR		NR		NR		NR		0.145	U	0.145	U
Ethylbenzene	ug/L	700	NR		NR		NR		NR		NR		0.109	U	0.109	U
Isopropylbenzene (Cumene)	ug/L	1	NR		NR		NR		NR		NR		0.13	U	0.13	U
Methyl Acetate	ug/L	RL	NR		NR		NR		NR		NR		0.159	U	0.159	U
Methylcyclohexane	ug/L	RL	NR		NR		NR		NR		NR		0.143	U	0.143	U
Methylene chloride	ug/L	5	NR		NR		NR		NR		NR		0.149	U	0.149	U
Styrene	ug/L	100	NR		NR		NR		NR		NR		0.089	U	0.089	U
Tetrachloroethene	ug/L	5	0.193	U	0.193	U	0.193	U	0.193	U	0.193	U	**1.32**	**J**	**63.8**	
Toluene	ug/L	1000	NR		NR		NR		NR		NR		0.122	U	0.122	U
Trichloroethene	ug/L	5	0.161	U	0.161	U	0.161	U	0.161	U	0.161	U	0.161	U	**7.59**	
Trichlorofluoromethane	ug/L	2000	NR		NR		NR		NR		NR		0.157	U	0.157	U
Trichlorotrifluoroethane	ug/L	RL	NR		NR		NR		NR		NR		0.158	U	0.158	U
Vinyl acetate	ug/L	RL	NR		NR		NR		NR		NR		0.151	U	0.151	U
Vinyl chloride	ug/L	2	NR		NR		NR		NR		NR		0.127	U	0.127	U
Xylene (total)	ug/L	10000	NR		NR		NR		NR		NR		0.179	U	0.179	U
cis-1,2-Dichloroethene	ug/L	70	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	**2.95**	**J**
cis-1,3-Dichloropropene	ug/L	2	NR		NR		NR		NR		NR		0.124	U	0.124	U
m,p-Xylene	ug/L	RL	NR		NR		NR		NR		NR		0.123	U	0.123	U
o-Xylene	ug/L	RL	NR		NR		NR		NR		NR		0.055	U	0.055	U
tert-Butyl methyl ether (MTBE)	ug/L	RL	NR		NR		NR		NR		NR		0.078	U	0.078	U
trans-1,2-Dichloroethene	ug/L	100	NR		NR		NR		NR		NR		0.077	U	0.077	U
trans-1,3-Dichloropropene	ug/L	2	NR		NR		NR		NR		NR		0.128	U	0.128	U
MNA Parameters																
Ethane	ug/L	NA	0.071	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	ug/L	NA	**120**	**J**	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	ug/L	NA	**2670**		0.435	U	0.435	U	**0.615**	**J**	**31.9**		0.435	U	0.435	U
Total Organic Carbon	mg/L	NA	**1.9**		0.30	U	0.30	U	**0.41**	**J**	**0.92**	**J**	0.30	U	**1.4**	
Sulfide	mg/L	NA	2	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U
Chloride	mg/L	NA	**0.826**		**3.43**		**1.51**		**2.05**		**3.32**		**1.7**		**8.63**	
Nitrate	mg/L	NA	**0.465**		0.05	U	**0.143**	**J**	0.05	U	0.05	U	**6.02**		**6.82**	
Sulfate	mg/L	NA	**7.29**		**10.1**		**12.5**		**11**		**6.19**		**28.6**		**17.4**	
Ferrous Iron (mg/L)	mg/L	NA	0.00		0.00		0.00		0.00		1.00		0.00		0.00	
Groundwater Quality																
Temperature	C	NA	19.82		17.73		15.47		15.10		14.86		21.28		18.21	
pH	pH	NA	5.79		5.20		5.92		6.13		6.15		5.32		5.06	
Turbidity	NTU	NA	0.0		4.8		6.5		0.0		1.9		4.1		10.8	
Conductivity	mg/L	NA	0.084		0.079		0.169		0.210		0.144		0.131		0.178	
ORP	mV	NA	86		223		188		8		-41		242		259	
Dissolved Oxygen (mg/L)	mg/L	NA	1.13		2.23		2.81		0.48		0.48		5.79		1.69	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	DPMW-26		DPMW-27		DPMW-28		DPMW-2I		DUP-2 (DPMW-2I)		DPMW-2S		DPMW-3I		DPMW-3S	
Property Location	Dobbins Property		Dobbins Property		Dobbins Property		Dobbins Property		Dobbins Property		Dobbins Property		Dobbins Property		Dobbins Property	
Sample Collection Date	21-Mar-14		21-Mar-14		24-Mar-14		14-Mar-14		14-Mar-14		14-Mar-14		18-Mar-14		18-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.123	U	0.123	U	0.123	U	0.123U	U	0.123	U	0.123	U	0.123	U	0.123	U
1,1,2,2-Tetrachloroethane	0.109	U	0.109	U	0.109	U	0.109U	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2-Trichloroethane	0.159	U	0.159	U	0.159	U	0.159U	U	0.159	U	0.159	U	0.159	U	0.159	U
1,1-Dichloroethane	0.171	U	0.171	U	0.171	U	**0.335**	**J**	0.335	U	0.171	U	0.171	U	0.171	U
1,1-Dichloroethene	0.208	U	0.208	U	0.208	U	**2.45**	**J**	**2.45**	**J**	0.208	U	**1.15**	**J**	0.208	U
1,2,4-Trichlorobenzene	0.105	U	0.105	U	0.105	U	0.105U	U	0.105	U	0.105	U	0.105	U	0.105	U
1,2-Dibromo-3-chloropropane	0.194	U	0.194	U	0.194	U	0.194U	U	0.194	U	0.194	U	0.194	U	0.194	U
1,2-Dibromoethane	0.102	U	0.102	U	0.102	U	0.102U	U	0.102	U	0.102	U	0.102	U	0.102	U
1,2-Dichlorobenzene	0.135	U	0.135	U	0.135	U	0.135U	U	0.135	U	0.135	U	0.135	U	0.135	U
1,2-Dichloroethane	0.116	U	0.116	U	0.116	U	0.116U	U	0.116	U	0.116	U	0.116	U	0.116	U
1,2-Dichloropropane	0.15	U	0.15	U	0.15	U	0.150U	U	0.15	U	0.15	U	0.15	U	0.15	U
1,3-Dichlorobenzene	0.138	U	0.138	U	0.138	U	0.138U	U	0.138	U	0.138	U	0.138	U	0.138	U
1,4-Dichlorobenzene	0.083	U	0.083	U	0.083	U	0.083U	U	0.083	U	0.083	U	0.083	U	0.083	U
2-Butanone	0.142	U	0.142	U	0.142	U	0.142U	U	0.142	U	0.142	U	0.142	U	0.142	U
2-Chloroethylvinyl ether	0.146	U	0.146	U	0.146	U	0.146U	U	0.146	U	0.146	U	0.146	U	0.146	U
2-Hexanone	0.122	U	0.122	U	0.122	U	0.122U	U	0.122	U	0.122	U	0.122	U	0.122	U
4-Methyl-2-pentanone	0.12	U	0.12	U	0.12	U	0.120U	U	0.12	U	0.12	U	0.12	U	0.12	U
Acetone	0.193	U	**1.07**	**J**	**1.96**	**J**	0.193U	U	**0.193**	**J**	**1.4**	**J**	0.193	U	0.193	U
Benzene	0.111	U	0.111	U	0.111	U	0.111U	U	0.111	U	0.111	U	0.111	U	0.111	U
Bromodichloromethane	0.083	U	0.083	U	**0.381**	**J**	0.083U	U	0.083	U	0.083	U	0.083	U	0.083	U
Bromoform	0.215	U	0.215	U	0.215	U	0.215U	U	0.215	U	0.215	U	0.215	U	0.215	U
Bromomethane	0.427	U	0.427	U	0.427	U	0.427U	U	0.427	U	0.427	U	0.427	U	0.427	U
Carbon disulfide	0.19	U	0.19	U	0.19	U	0.190U	U	0.19	U	0.19	U	0.19	U	0.19	U
Carbon tetrachloride	0.248	U	0.248	U	0.248	U	0.248U	U	0.248	U	0.248	U	0.248	U	0.248	U
Chlorobenzene	0.083	U	0.083	U	0.083	U	0.083U	U	0.083	U	0.083	U	0.083	U	0.083	U
Chloroethane	0.235	U	0.235	U	0.235	U	0.235U	U	0.235	U	0.235	U	0.235	U	0.235	U
Chloroform	**0.351**	**J**	0.155	U	**10.9**		**0.623**	**J**	**0.623**	**J**	0.155	U	**0.425**	**J**	**0.775**	**J**
Chloromethane	0.144	U	0.144	U	0.144	U	0.144U	U	0.144	U	0.144	U	0.144	U	0.144	U
Cyclohexane	0.337	U	0.337	U	0.337	U	0.337U	U	0.337	U	0.337	U	0.337	U	0.337	U
Dibromochloromethane	0.054	U	0.054	U	0.054	U	0.054U	U	0.054	U	0.054	U	0.054	U	0.054	U
Dichlorodifluoromethane	0.145	U	0.145	U	0.145	U	0.145U	U	0.145	U	0.145	U	0.145	U	0.145	U
Ethylbenzene	0.109	U	0.109	U	0.109	U	0.109U	U	0.109	U	0.109	U	0.109	U	0.109	U
Isopropylbenzene (Cumene)	0.13	U	0.13	U	0.13	U	0.130U	U	0.13	U	0.13	U	0.13	U	0.13	U
Methyl Acetate	0.159	U	0.159	U	0.159	U	0.159U	U	0.159	U	0.159	U	0.159	U	0.159	U
Methylcyclohexane	0.143	U	0.143	U	0.143	U	0.143U	U	0.143	U	0.143	U	0.143	U	0.143	U
Methylene chloride	0.149	U	0.149	U	**0.286**	**J**	0.149U	U	0.149	U	0.149	U	0.149	U	0.149	U
Styrene	0.089	U	0.089	U	0.089	U	0.089U	U	0.089	U	0.089	U	0.089	U	0.089	U
Tetrachloroethene	**37.7**		0.193	U	**15.3**		**36.1**		**36.1**		**20.2**		**16.5**		**32.9**	
Toluene	0.122	U	0.122	U	0.122	U	0.122U	U	0.122	U	0.122	U	0.122	U	0.122	U
Trichloroethene	**11**		0.161	U	**1.41**	**J**	**8.61**		**8.61**		**5.66**		**6.07**		**1.6**	**J**
Trichlorofluoromethane	0.157	U	0.157	U	0.157	U	0.157U	U	0.157	U	0.157	U	0.157	U	0.157	U
Trichlorotrifluoroethane	0.158	U	0.158	U	0.158	U	0.158U	U	0.158	U	0.158	U	0.158	U	0.158	U
Vinyl acetate	0.151	U	0.151	U	0.151	U	0.151U	U	0.151	U	0.151	U	0.151	U	0.151	U
Vinyl chloride	0.127	U	0.127	U	0.127	U	0.127U	U	0.127	U	0.127	U	0.127	U	0.127	U
Xylene (total)	0.179	U	0.179	U	0.179	U	0.179U	U	0.179	U	0.179	U	0.179	U	0.179	U
cis-1,2-Dichloroethene	**9.41**		0.103	U	0.103	U	**5.54**		**5.54**		0.103	U	**3.32**	**J**	**1.58**	**J**
cis-1,3-Dichloropropene	0.124	U	0.124	U	0.124	U	0.124U	U	0.124	U	0.124	U	0.124	U	0.124	U
m,p-Xylene	0.123	U	0.123	U	0.123	U	0.123U	U	0.123	U	0.123	U	0.123	U	0.123	U
o-Xylene	0.055	U	0.055	U	0.055	U	0.055U	U	0.055	U	0.055	U	0.055	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.078	U	0.078	U	0.078	U	0.078U	U	0.078	U	0.078	U	0.078	U	0.078	U
trans-1,2-Dichloroethene	0.077	U	0.077	U	0.077	U	0.077U	U	0.077	U	0.077	U	0.077	U	0.077	U
trans-1,3-Dichloropropene	0.128	U	0.128	U	0.128	U	0.128U	U	0.128	U	0.128	U	0.128	U	0.128	U
MNA Parameters																
Ethane	**0.998**		0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	**2.06**		0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	**0.505**	**J**
Total Organic Carbon	**2.3**		**2.5**		**1.4**		**0.75**	**J**	**0.3**	**J**	0.30	U	**1.4**		**0.95**	**J**
Sulfide	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00		2.00	U
Chloride	**0.899**		**11.7**		**2.04**		**34.4**		**35.2**		**2.93**		**1.86**		**2.37**	
Nitrate	**10.5**		**4.24**		**6.28**		**7.13**		**7.06**		**0.159**	**J**	**19.7**		**10.4**	
Sulfate	**24.8**		**20.5**		**20.8**		**25.8**		**26.3**		**11.4**		**62**		**79.8**	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		NM		0.00		0.00		0.00	
Groundwater Quality																
Temperature	17.53		20.52		17.36		19.82		NM		18.00		15.12		13.67	
pH	4.89		5.25		5.71		6.91		NM		6.22		5.58		4.79	
Turbidity	0.7		2.0		13.0		0.0		NM		0.0		15.4		9.4	
Conductivity	0.143		0.160		0.153		0.320		NM		0.209		0.330		0.295	
ORP	264		209		211		245		NM		173		99		191	
Dissolved Oxygen (mg/L)	0.77		1.80		2.80		1.44		NM		6.88		1.25		2.84	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	DPMW-4I		DPMW-4S		GPMW-11		GPMW-18		GPMW-19		GPMW-20		HOAMW-14		HOAMW-3	
Property Location	Dobbins Property		Dobbins Property		Goodstone		Goodstone		Goodstone		Goodstone		M-West HOA		M-West HOA	
Sample Collection Date	13-Mar-14		14-Mar-14		10-Mar-14		10-Mar-14		10-Mar-14		10-Mar-14		12-Mar-14		11-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.123	U	0.123	U	0.123	U	0.246	U	0.615	U	0.123	U	0.123	U	0.246	U
1,1,2,2-Tetrachloroethane	0.109	U	0.109	U	0.109	U	0.218	U	0.546	U	0.109	U	0.109	U	0.218	U
1,1,2-Trichloroethane	0.159	U	0.159	U	0.159	U	0.318	U	0.795	U	0.159	U	0.159	U	0.318	U
1,1-Dichloroethane	0.171	U	0.171	U	0.171	U	0.342	U	0.856	U	0.171	U	0.171	U	0.342	U
1,1-Dichloroethene	0.362	J	0.208	U	0.208	U	0.734	J	1.04	U	0.208	U	0.208	U	0.416	U
1,2,4-Trichlorobenzene	0.105	U	0.105	U	0.105	U	0.21	U	0.526	U	0.105	U	0.105	U	0.210	U
1,2-Dibromo-3-chloropropane	0.194	U	0.194	U	0.194	U	0.388	U	0.971	U	0.194	U	0.194	U	0.388	U
1,2-Dibromoethane	0.102	U	0.102	U	0.102	U	0.205	U	0.512	U	0.102	U	0.102	U	0.205	U
1,2-Dichlorobenzene	0.135	U	0.135	U	0.135	U	0.27	U	0.674	U	0.135	U	0.135	U	0.270	U
1,2-Dichloroethane	0.116	U	0.116	U	0.116	U	0.232	U	0.581	U	0.116	U	0.116	U	0.232	U
1,2-Dichloropropane	0.15	U	0.15	U	0.15	U	0.301	U	0.752	U	0.15	U	0.15	U	0.301	U
1,3-Dichlorobenzene	0.138	U	0.138	U	0.138	U	0.275	U	0.689	U	0.138	U	0.138	U	0.275	U
1,4-Dichlorobenzene	0.083	U	0.083	U	0.083	U	0.166	U	0.416	U	0.083	U	0.083	U	0.166	U
2-Butanone	0.142	U	0.142	U	0.142	U	0.284	U	0.711	U	0.142	U	0.142	U	0.284	U
2-Chloroethylvinyl ether	0.146	U	0.146	U	0.146	U	0.291	U	0.729	U	0.146	U	0.146	U	0.291	U
2-Hexanone	0.122	U	0.122	U	0.122	U	0.245	U	0.612	U	0.122	U	0.122	U	0.245	U
4-Methyl-2-pentanone	0.12	U	0.12	U	0.12	U	0.24	U	0.6	U	0.12	U	0.12	U	0.240	U
Acetone	0.193	U	1.18	J	0.926	J	0.387	U	0.967	U	0.193	U	0.193	U	0.387	U
Benzene	0.111	U	0.111	U	0.111	U	0.222	U	0.555	U	0.111	U	0.111	U	0.222	U
Bromodichloromethane	0.083	U	0.202	J	0.18	J	0.167	U	0.417	U	0.083	U	0.083	U	0.685	J
Bromoform	0.215	U	0.215	U	0.215	U	0.43	U	1.08	U	0.215	U	0.215	U	0.430	U
Bromomethane	0.427	U	0.427	U	0.427	U	0.854	U	2.14	U	0.427	U	0.427	U	0.854	U
Carbon disulfide	0.19	U	0.19	U	0.19	U	0.38	U	0.95	U	0.19	U	0.19	U	0.380	U
Carbon tetrachloride	0.248	U	0.248	U	0.248	U	0.496	U	1.24	U	0.248	U	0.248	U	0.496	U
Chlorobenzene	0.083	U	0.083	U	0.083	U	0.166	U	0.414	U	0.083	U	0.083	U	0.166	U
Chloroethane	0.235	U	0.235	U	0.235	U	0.47	U	1.18	U	0.235	U	0.235	U	0.470	U
Chloroform	0.155	U	1.54	J	4.18	J	2.31	J	3.62	J	0.451	J	0.155	U	6.26	J
Chloromethane	0.144	U	0.144	U	0.144	U	0.287	U	0.718	U	0.144	U	0.144	U	0.287	U
Cyclohexane	0.337	U	0.337	U	0.337	U	0.674	U	1.69	U	0.337	U	0.337	U	0.674	U
Dibromochloromethane	0.054	U	0.054	U	0.054	U	0.108	U	0.27	U	0.054	U	0.054	U	0.108	U
Dichlorodifluoromethane	0.145	U	0.145	U	0.145	U	0.29	U	0.724	U	0.145	U	0.145	U	0.290	U
Ethylbenzene	0.109	U	0.109	U	0.109	U	0.218	U	0.545	U	0.109	U	0.109	U	0.218	U
Isopropylbenzene (Cumene)	0.13	U	0.13	U	0.13	U	0.26	U	0.651	U	0.13	U	0.13	U	0.260	U
Methyl Acetate	0.159	U	0.159	U	0.159	U	0.319	U	0.797	U	0.159	U	0.159	U	0.319	U
Methylcyclohexane	0.143	U	0.143	U	0.143	U	0.287	U	0.717	U	0.143	U	0.143	U	0.287	U
Methylene chloride	0.149	U	0.149	U	0.149	U	0.298	U	0.745	U	0.149	U	0.149	U	0.298	U
Styrene	0.089	U	0.089	U	0.089	U	0.179	U	0.447	U	0.089	U	0.089	U	0.179	U
Tetrachloroethene	23.7		15.5		18.3		261		306		30		0.858	J	222	
Toluene	0.122	U	0.122	U	0.122	U	0.244	U	0.609	U	0.122	U	0.122	U	0.244	U
Trichloroethene	4.08	J	2.04	J	2.44	J	51.7		131		4.05	J	0.378	J	91.9	
Trichlorofluoromethane	0.157	U	0.157	U	0.157	U	0.314	U	0.785	U	0.157	U	0.26	J	0.314	U
Trichlorotrifluoroethane	0.158	U	0.158	U	0.158	U	0.316	U	0.79	U	0.158	U	0.158	U	0.316	U
Vinyl acetate	0.151	U	0.151	U	0.151	U	0.302	U	0.755	U	0.151	U	0.151	U	0.302	U
Vinyl chloride	0.127	U	0.127	U	0.127	U	0.254	U	0.636	U	0.127	U	0.127	U	0.254	U
Xylene (total)	0.179	U	0.179	U	0.179	U	0.358	U	0.894	U	0.179	U	0.179	U	0.358	U
cis-1,2-Dichloroethene	0.688	J	0.103	U	0.389	J	106		164		6.22		0.103	U	55.4	
cis-1,3-Dichloropropene	0.124	U	0.124	U	0.124	U	0.248	U	0.621	U	0.124	U	0.124	U	0.248	U
m,p-Xylene	0.123	U	0.123	U	0.123	U	0.247	U	0.617	U	0.123	U	0.123	U	0.247	U
o-Xylene	0.055	U	0.055	U	0.055	U	0.111	U	0.277	U	0.055	U	0.055	U	0.111	U
tert-Butyl methyl ether (MTBE)	0.078	U	0.078	U	0.078	U	0.155	U	0.389	U	0.078	U	0.078	U	0.155	U
trans-1,2-Dichloroethene	0.077	U	0.077	U	0.077	U	1.63	J	1.96	J	0.077	U	0.077	U	0.597	J
trans-1,3-Dichloropropene	0.128	U	0.128	U	0.128	U	0.255	U	0.639	U	0.128	U	0.128	U	0.255	U
MNA Parameters																
Ethane	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U
Total Organic Carbon	0.68		0.72	J	2.2		0.3	U	0.30	U	0.30	U	0.30	U	0.30	U
Sulfide	2.00	U	2.00	U	2.6		2.2		2.00	U	2.00	U	2.00	U	2.00	U
Chloride	3.16		1.94		2		1.18		1.39		1.52		0.16		16.1	
Nitrate	8.49		6.23		20.1		22.6		21.8		26.1		2.66		2.11	
Sulfate	14.7		13.2		27.9		11		7.44		18.4		16.1		51.9	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Groundwater Quality																
Temperature	16.72		15.91		21.34		19.73		21.44		17.24		18.61		19.72	
pH	6.73		4.94		5.54		5.94		5.94		6.07		5.26		5.73	
Turbidity	9.9		5.2		1.5		3.5		9.8		4.7		71.3		0.0	
Conductivity	0.207		0.102		0.185		0.218		0.221		0.257		0.116		0.268	
ORP	127		285		233		201		146		204		250		231	
Dissolved Oxygen (mg/L)	1.96		6.32		3.32		1.69		0.62		2.00		3.44		2.06	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	HOAMW-5		HOAMW-5I		JPBRW-1		JPMW-16		JPMW-17		JPMW-21		JPMW-22		JPMW-23	
Property Location	M-West HOA		M-West HOA		Restaurant Supply		Restaurant Supply		Restaurant Supply		Restaurant Supply		Restaurant Supply		Restaurant Supply	
Sample Collection Date	13-Mar-14		12-Mar-14		12-Mar-14		12-Mar-14		11-Mar-14		11-Mar-14		11-Mar-14		12-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.246	U	0.246	U	0.123	U	0.246	U	0.123	U	0.123	U	0.246	U	0.123	U
1,1,2,2-Tetrachloroethane	0.218	U	0.218	U	0.109	U	0.218	U	0.109	U	0.109	U	0.218	U	0.109	U
1,1,2-Trichloroethane	0.318	U	0.318	U	0.159	U	0.318	U	0.159	U	0.159	U	0.318	U	0.159	U
1,1-Dichloroethane	0.342	U	0.342	U	0.171	U	0.342	U	0.171	U	0.171	U	0.342	U	0.171	U
1,1-Dichloroethene	0.416	U	0.416	U	0.208	U	0.416	U	0.208	U	**0.345**	**J**	**1.22**	**J**	**1.66**	**J**
1,2,4-Trichlorobenzene	0.21	U	0.21	U	0.105	U	0.21	U	0.105	U	0.105	U	0.21	U	0.105	U
1,2-Dibromo-3-chloropropane	0.388	U	0.388	U	0.194	U	0.388	U	0.194	U	0.194	U	0.388	U	0.194	U
1,2-Dibromoethane	0.205	U	0.205	U	0.102	U	0.205	U	0.102	U	0.102	U	0.205	U	0.102	U
1,2-Dichlorobenzene	0.27	U	0.27	U	0.135	U	0.27	U	0.135	U	0.135	U	0.27	U	0.135	U
1,2-Dichloroethane	0.232	U	0.232	U	0.116	U	0.232	U	0.116	U	0.116	U	0.232	U	0.116	U
1,2-Dichloropropane	0.301	U	0.301	U	0.15	U	0.301	U	0.15	U	0.15	U	0.301	U	0.15	U
1,3-Dichlorobenzene	0.275	U	0.275	U	0.138	U	0.275	U	0.138	U	0.138	U	0.275	U	0.138	U
1,4-Dichlorobenzene	0.166	U	0.166	U	0.083	U	0.166	U	0.083	U	0.083	U	0.166	U	0.083	U
2-Butanone	0.284	U	0.284	U	0.142	U	0.284	U	0.142	U	0.142	U	0.284	U	0.142	U
2-Chloroethylvinyl ether	0.291	U	0.291	U	0.146	U	0.291	U	0.146	U	0.146	U	0.291	U	0.146	U
2-Hexanone	0.245	U	0.245	U	0.122	U	0.245	U	0.122	U	0.122	U	0.245	U	0.122	U
4-Methyl-2-pentanone	0.24	U	0.24	U	0.12	U	0.24	U	0.12	U	0.12	U	0.24	U	0.12	U
Acetone	0.387	U	0.387	U	**5.85**		**6.23**	**J**	0.193	U	0.193	U	0.387	U	0.193	U
Benzene	0.222	U	0.222	U	0.111	U	0.222	U	0.111	U	0.111	U	**4.98**	**J**	**0.989**	**J**
Bromodichloromethane	0.167	U	0.167	U	0.083	U	0.167	U	0.083	U	**2.28**	**J**	0.167	U	0.083	U
Bromoform	0.43	U	0.43	U	0.215	U	0.43	U	0.215	U	0.215	U	0.43	U	0.215	U
Bromomethane	0.854	U	0.854	U	0.427	U	0.854	U	0.427	U	0.427	U	0.854	U	0.427	U
Carbon disulfide	0.38	U	0.38	U	0.19	U	0.38	U	0.19	U	0.19	U	0.38	U	0.19	U
Carbon tetrachloride	0.496	U	0.496	U	0.248	U	0.496	U	0.248	U	0.248	U	0.496	U	0.248	U
Chlorobenzene	0.166	U	0.166	U	0.083	U	0.166	U	0.083	U	0.083	U	0.166	U	0.083	U
Chloroethane	0.47	U	0.47	U	0.235	U	0.47	U	0.235	U	0.235	U	0.47	U	0.235	U
Chloroform	**2.97**	**J**	**3.75**		0.155	U	**1.53**	**J**	**1.51**	**J**	**17.2**		**2.07**	**J**	**0.855**	**J**
Chloromethane	0.287	U	0.287	U	0.144	U	0.287	U	0.144	U	0.144	U	0.287	U	0.144	U
Cyclohexane	0.674	U	0.674	U	0.337	U	0.674	U	0.337	U	0.337	U	0.674	U	0.337	U
Dibromochloromethane	0.108	U	0.108	U	0.054	U	0.108	U	0.054	U	0.054	U	0.108	U	0.054	U
Dichlorodifluoromethane	0.29	U	0.29	U	0.145	U	0.29	U	0.145	U	0.145	U	0.29	U	0.145	U
Ethylbenzene	0.218	U	0.218	U	0.109	U	0.218	U	0.109	U	0.109	U	0.218	U	0.109	U
Isopropylbenzene (Cumene)	0.26	U	0.26	U	0.13	U	0.26	U	0.13	U	0.13	U	0.26	U	0.13	U
Methyl Acetate	0.319	U	0.319	U	0.159	U	0.319	U	0.159	U	0.159	U	0.319	U	0.159	U
Methylcyclohexane	0.287	U	0.287	U	0.143	U	0.287	U	0.143	U	0.143	U	0.287	U	0.143	U
Methylene chloride	0.298	U	0.298	U	0.149	U	0.298	U	0.149	U	0.149	U	0.298	U	0.149	U
Styrene	0.179	U	0.179	U	0.089	U	0.179	U	0.089	U	0.089	U	0.179	U	0.089	U
Tetrachloroethene	**252**		**216**		**3.42**	**J**	**262**		**67.4**		**152**		**142**		**111**	
Toluene	0.244	U	0.244	U	0.122	U	0.244	U	0.122	U	0.122	U	0.244	U	0.122	U
Trichloroethene	96.1		**96.8**		**2.61**	**J**	**177**		**10.7**		**33**		**16.6**		**35.1**	
Trichlorofluoromethane	0.314	U	0.314	U	0.157	U	0.314	U	0.157	U	0.157	U	0.314	U	0.157	U
Trichlorotrifluoroethane	0.316	U	0.316	U	0.158	U	0.316	U	0.158	U	0.158	U	0.316	U	0.158	U
Vinyl acetate	0.302	U	0.302	U	0.151	U	0.302	U	0.151	U	0.151	U	0.302	U	0.151	U
Vinyl chloride	0.254	U	0.254	U	0.127	U	0.254	U	0.127	U	0.127	U	0.254	U	0.127	U
Xylene (total)	0.358	U	0.358	U	0.179	U	0.358	U	0.179	U	0.179	U	0.358	U	0.179	U
cis-1,2-Dichloroethene	81.1		**87.9**		**2.7**	**J**	**44.3**		**5.45**		**39**		**21.8**		**39.5**	
cis-1,3-Dichloropropene	0.248	U	0.248	U	0.124	U	0.248	U	0.124	U	0.124	U	0.248	U	0.124	U
m,p-Xylene	0.247	U	0.247	U	**0.154**	**J**	0.247	U	0.123	U	0.123	U	0.247	U	0.123	U
o-Xylene	0.111	U	0.111	U	0.055	U	0.111	U	0.055	U	0.055	U	0.111	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.155	U	0.155	U	0.078	U	0.155	U	0.078	U	0.078	U	0.155	U	0.078	U
trans-1,2-Dichloroethene	**0.933**	**J**	0.154	U	0.077	U	0.154	U	0.077	U	0.077	U	0.154	U	0.077	U
trans-1,3-Dichloropropene	0.255	U	0.255	U	0.128	U	0.255	U	0.128	U	0.128	U	0.255	U	0.128	U
MNA Parameters																
Ethane	0.087	U	0.087	U	**0.846**	**J**	0.087	U	0.087	U	0.087	U	**1.57**		0.087	U
Ethene	0.071	U	0.071	U	**3.01**		0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	**5.02**		**479**	
Total Organic Carbon	0.30	U	0.30	U	**2.5**		0.30	U	0.30	U	0.30	U	0.3	U	0.3	U
Sulfide	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2	U	2	U
Chloride	**1.55**		**1.39**		**0.187**	**J**	**2.83**		**3.37**		**0.831**		**1.82**		**0.868**	
Nitrate	**21.3**		**19.8**		**41.4**		**10**		**10.9**		**17.1**		**12.3**		**11.7**	
Sulfate	**16.1**		**17.1**		**21.1**		**20.5**		**40.1**		**11.3**		**35.6**		**20.4**	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Groundwater Quality																
Temperature	16.61		18.21		18.82		20.68		22.14		21.20		24.96		17.34	
pH	5.93		6.44		9.62		5.66		5.99		5.73		5.48		5.93	
Turbidity	0.0		5.2		40.2		12.4		7.4		482.0		5.0		56.9	
Conductivity	0.219		0.287		0.585		0.198		0.226		0.218		0.191		0.192	
ORP	225		129		-178		187		169		181		298		153	
Dissolved Oxygen (mg/L)	1.26		2.43		1.87		1.47		4.97		1.38		0.46		1.85	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	MPMW-15		MPMW-19		MTWMW-08		MTWMW-10		MTWMW-12		MTWMW-4		MTWMW-7		MTWMW-7I	
Property Location	Macys Property		Macys Property		Midtown West Partners		Midtown West Partners		Midtown West Partners		Midtown West Partners		Midtown West Partners		Midtown West Partners	
Sample Collection Date	14-Mar-14		12-Mar-14		11-Mar-14		10-Mar-14		11-Mar-14		11-Mar-14		10-Mar-14		10-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.123	U	0.123	U	1.23	U	0.123	U	0.123	U	0.246	U	0.123	U	0.933	J
1,1,2,2-Tetrachloroethane	0.109	U	0.109	U	1.09	U	0.109	U	0.109	U	0.218	U	0.109	U	0.109	U
1,1,2-Trichloroethane	0.159	U	0.159	U	1.59	U	0.159	U	0.159	U	0.318	U	0.159	U	0.159	U
1,1-Dichloroethane	0.171	U	3.06	J	1.71	U	0.171	U	0.171	U	0.342	U	1.71	J	1.86	J
1,1-Dichloroethene	0.208	U	0.208	U	2.08	U	0.208	U	0.208	U	0.416	U	5.15		8.58	
1,2,4-Trichlorobenzene	0.105	U	0.105	U	1.05	U	0.105	U	0.105	U	0.21	U	0.105	U	0.105	U
1,2-Dibromo-3-chloropropane	0.194	U	0.194	U	1.94	U	0.194	U	0.194	U	0.388	U	0.194	U	0.194	U
1,2-Dibromoethane	0.102	U	0.102	U	1.02	U	0.102	U	0.102	U	0.205	U	0.102	U	0.102	U
1,2-Dichlorobenzene	0.135	U	0.135	U	1.35	U	0.135	U	0.135	U	0.27	U	0.135	U	0.135	U
1,2-Dichloroethane	0.116	U	0.116	U	1.16	U	0.116	U	0.116	U	0.232	U	0.116	U	0.116	U
1,2-Dichloropropane	0.15	U	0.15	U	1.5	U	0.15	U	0.15	U	0.301	U	0.15	U	0.15	U
1,3-Dichlorobenzene	0.138	U	0.138	U	1.38	U	0.138	U	0.138	U	0.275	U	0.138	U	0.138	U
1,4-Dichlorobenzene	0.083	U	0.083	U	0.831	U	0.083	U	0.083	U	0.166	U	0.083	U	0.083	U
2-Butanone	0.142	U	0.142	U	1.42	U	0.142	U	0.142	U	0.284	U	0.142	U	0.142	U
2-Chloroethylvinyl ether	0.146	U	0.146	U	1.46	U	0.146	U	0.146	U	0.291	U	0.146	U	0.146	U
2-Hexanone	0.122	U	0.122	U	1.22	U	0.122	U	0.122	U	0.245	U	0.122	U	0.122	U
4-Methyl-2-pentanone	0.12	U	0.12	U	1.2	U	0.12	U	0.12	U	0.24	U	0.12	U	0.12	U
Acetone	0.727	J	0.193	U	1.93	U	0.193	U	0.193	U	0.387	U	0.193	U	0.193	U
Benzene	0.111	U	0.111	U	1.11	U	0.111	U	0.111	U	0.222	U	0.111	U	0.111	U
Bromodichloromethane	0.083	U	0.083	U	0.834	U	0.083	U	0.083	U	0.855	J	0.083	U	0.083	U
Bromoform	0.215	U	0.215	U	2.15	U	0.215	U	0.215	U	0.43	U	0.215	U	0.215	U
Bromomethane	0.427	U	0.427	U	4.27	U	0.427	U	0.427	U	0.854	U	0.427	U	0.427	U
Carbon disulfide	0.19	U	0.19	U	1.9	U	0.19	U	0.19	U	0.38	U	0.19	U	0.19	U
Carbon tetrachloride	0.248	U	0.248	U	2.48	U	0.248	U	0.248	U	0.496	U	0.248	U	0.248	U
Chlorobenzene	0.083	U	0.083	U	0.828	U	0.083	U	0.083	U	0.166	U	0.083	U	0.083	U
Chloroethane	0.235	U	0.235	U	2.35	U	0.235	U	0.235	U	0.47	U	0.235	U	0.235	U
Chloroform	0.229	J	0.155	U	2.77	J	0.854	J	0.155	U	15.8		0.155	U	0.394	J
Chloromethane	0.144	U	0.144	U	1.44	U	0.144	U	0.144	U	0.287	U	0.144	U	0.144	U
Cyclohexane	0.337	U	0.337	U	3.37	U	0.971	J	0.337	U	0.674	U	0.337	U	0.337	U
Dibromochloromethane	0.054	U	0.054	U	0.539	U	0.054	U	0.054	U	0.108	U	0.054	U	0.054	U
Dichlorodifluoromethane	0.145	U	0.145	U	1.45	U	0.145	U	0.145	U	0.29	U	0.145	U	0.145	U
Ethylbenzene	0.109	U	0.109	U	1.09	U	0.109	U	0.109	U	0.218	U	0.109	U	0.109	U
Isopropylbenzene (Cumene)	0.13	U	0.13	U	1.3	U	0.727	J	0.13	U	0.26	U	0.13	U	0.13	U
Methyl Acetate	0.159	U	0.159	U	1.59	U	0.159	U	0.159	U	0.319	U	0.159	U	0.159	U
Methylcyclohexane	0.143	U	0.143	U	1.43	U	1.36	J	0.143	U	0.287	U	0.143	U	0.676	J
Methylene chloride	0.149	U	0.149	U	1.49	U	0.149	U	0.149	U	0.298	U	0.149	U	0.149	U
Styrene	0.089	U	0.089	U	0.894	U	0.089	U	0.089	U	0.179	U	0.089	U	0.089	U
Tetrachloroethene	1.07	J	2.64	J	665		61.3		0.323	J	172		33.3		82.9	
Toluene	0.122	U	0.122	U	1.22	U	0.122	U	0.122	U	0.244	U	0.122	U	0.122	U
Trichloroethene	0.161	U	1.91	J	310		12.6		0.161	U	55.7		34.1		64.1	
Trichlorofluoromethane	0.157	U	0.157	U	1.57	U	0.157	U	0.157	U	0.314	U	0.157	U	0.157	U
Trichlorotrifluoroethane	0.158	U	0.158	U	1.58	U	0.158	U	0.158	U	0.316	U	0.158	U	0.158	U
Vinyl acetate	0.151	U	0.151	U	1.51	U	0.151	U	0.151	U	0.302	U	0.151	U	0.151	U
Vinyl chloride	0.127	U	0.127	U	1.27	U	0.127	U	0.127	U	0.254	U	23.2		16.7	
Xylene (total)	0.179	U	0.179	U	1.79	U	6.3	J	0.179	U	0.358	U	0.179	U	0.179	U
cis-1,2-Dichloroethene	0.103	U	0.103	U	48.4	J	1.57	J	0.103	U	27.7		49.4		43	
cis-1,3-Dichloropropene	0.124	U	0.124	U	1.24	U	0.124	U	0.124	U	0.248	U	0.124	U	0.124	U
m,p-Xylene	0.123	U	0.123	U	1.23	U	0.123	U	0.123	U	0.247	U	0.123	U	0.123	U
o-Xylene	0.055	U	0.055	U	0.554	U	6.3		0.055	U	0.111	U	0.055	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.078	U	0.551	J	0.777	U	0.078	U	0.078	U	0.155	U	0.078	U	0.078	U
trans-1,2-Dichloroethene	0.077	U	0.077	U	0.769	U	0.077	U	0.077	U	0.154	U	1.05	J	0.799	J
trans-1,3-Dichloropropene	0.128	U	0.128	U	1.28	U	0.128	U	0.128	U	0.255	U	0.128	U	0.128	U
MNA Parameters																
Ethane	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	6.32		3.99	
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	1.34		0.981	
Methane	0.435	U	0.435	U	0.435	U	0.544	J	525		6.88		3800		2360	
Total Organic Carbon	2.1		0.30	U	0.30	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Sulfide	2	U	2.00	U	2.00	U	2	U	2	U	2	U	2	U	2	U
Chloride	0.633		1.65		2.05		2.06		0.47		2.13		0.05	U	0.142	
Nitrate	12.8		43.8		12.5		13.1		24		16.4		9.2		10.2	
Sulfate	14.7		12		23		41.8		32		33.8		14.6		32.1	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		0.00		0.50		2.75		1.50	
Groundwater Quality																
Temperature	12.02		17.80		21.69		21.58		21.80		27.73		17.67		19.14	
pH	6.25		3.95		5.41		5.93		6.11		3.74		6.52		6.45	
Turbidity	0.0		0.0		4.8		6.3		3.8		1.5		12.8		8.8	
Conductivity	0.243		6.270		0.165		0.227		0.308		0.150		0.453		0.413	
ORP	167		275		264		125		145		251		-76		-3	
Dissolved Oxygen (mg/L)	3.05		1.60		1.13		1.88		0.27		1.96		1.47		0.97	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	MTWMW-9		DUP-1 (MTWMW-9)		RPMW-1		RPMW-14		RPMW-15		RPMW-2		RPMW-24		SMFDR-1	
Property Location	Midtown West Partners		Midtown West Partners		Daltile		Daltile		Daltile		Daltile		Daltile		Southern Metal Finishing	
Sample Collection Date	11-Mar-14		11-Mar-14		12-Mar-14		10-Mar-14		11-Mar-14		10-Mar-14		10-Mar-14		20-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.615	U	0.615	U	1.23	U	0.246	U	0.246	U	0.123	U	0.615	U	0.123	U
1,1,2,2-Tetrachloroethane	0.546	U	0.546	U	1.09	U	0.218	U	0.218	U	0.109	U	0.546	U	0.109	U
1,1,2-Trichloroethane	0.795	U	0.795	U	1.59	U	0.318	U	0.318	U	0.159	U	0.795	U	0.159	U
1,1-Dichloroethane	0.856	U	0.856	U	1.71	U	0.342	U	0.342	U	0.171	U	0.856	U	0.171	U
1,1-Dichloroethene	1.04	U	1.04	U	2.08	U	0.416	U	0.416	U	0.208	U	1.04	U	0.208	U
1,2,4-Trichlorobenzene	0.526	U	0.526	U	1.05	U	0.21	U	0.21	U	0.105	U	0.526	U	0.105	U
1,2-Dibromo-3-chloropropane	0.971	U	0.971	U	1.94	U	0.388	U	0.388	U	0.194	U	0.971	U	0.194	U
1,2-Dibromoethane	0.512	U	0.512	U	1.02	U	0.205	U	0.205	U	0.102	U	0.512	U	0.102	U
1,2-Dichlorobenzene	0.674	U	0.674	U	1.35	U	0.27	U	0.27	U	0.135	U	0.674	U	0.135	U
1,2-Dichloroethane	0.581	U	0.581	U	1.16	U	0.232	U	0.232	U	0.116	U	0.581	U	0.116	U
1,2-Dichloropropane	0.752	U	0.752	U	1.5	U	0.301	U	0.301	U	0.150	U	0.752	U	0.150	U
1,3-Dichlorobenzene	0.689	U	0.689	U	1.38	U	0.275	U	0.275	U	0.138	U	0.689	U	0.138	U
1,4-Dichlorobenzene	0.416	U	0.416	U	0.831	U	0.166	U	0.166	U	0.083	U	0.416	U	0.083	U
2-Butanone	0.711	U	0.711	U	1.42	U	0.284	U	0.284	U	0.142	U	0.711	U	0.142	U
2-Chloroethylvinyl ether	0.729	U	0.729	U	1.46	U	0.291	U	0.291	U	0.146	U	0.729	U	0.146	U
2-Hexanone	0.612	U	0.612	U	1.22	U	0.245	U	0.245	U	0.122	U	0.612	U	0.122	U
4-Methyl-2-pentanone	0.6	U	0.6	U	1.2	U	0.24	U	0.24	U	0.120	U	0.6	U	0.120	U
Acetone	0.967	U	0.967	U	1.93	U	0.387	U	**6.33**	**J**	0.193	U	0.967	U	**2.48**	**J**
Benzene	0.555	U	0.555	U	1.11	U	**0.359**	**J**	0.222	U	0.111	U	0.555	U	0.111	U
Bromodichloromethane	0.417	U	0.417	U	0.834	U	0.167	U	0.167	U	0.083	U	0.417	U	0.083	U
Bromoform	1.08	U	1.08	U	2.15	U	0.43	U	0.43	U	0.215	U	1.08	U	0.215	U
Bromomethane	2.14	U	2.14	U	4.27	U	0.854	U	0.854	U	0.427	U	2.14	U	0.427	U
Carbon disulfide	0.95	U	0.95	U	1.9	U	0.38	U	0.38	U	0.19	U	0.95	U	0.19	U
Carbon tetrachloride	1.24	U	1.24	U	2.48	U	0.496	U	0.496	U	0.248	U	1.24	U	0.248	U
Chlorobenzene	0.414	U	0.414	U	0.828	U	0.166	U	0.166	U	0.083	U	0.414	U	0.083	U
Chloroethane	1.18	U	1.18	U	2.35	U	0.47	U	0.47	U	0.235	U	1.18	U	0.235	U
Chloroform	**2.09**	**J**	**2.14**	**J**	**3.96**	**J**	0.31	U	0.31	U	0.155	U	**1.65**	**J**	0.155	U
Chloromethane	0.718	U	0.718	U	1.44	U	0.287	U	0.287	U	0.144	U	0.718	U	0.144	U
Cyclohexane	1.69	U	1.69	U	3.37	U	0.674	U	0.674	U	0.337	U	1.69	U	0.337	U
Dibromochloromethane	0.27	U	0.27	U	0.539	U	0.108	U	0.108	U	0.054	U	0.27	U	0.054	U
Dichlorodifluoromethane	0.724	U	0.724	U	1.45	U	0.29	U	0.29	U	0.145	U	0.724	U	0.145	U
Ethylbenzene	0.545	U	0.545	U	1.09	U	0.218	U	0.218	U	0.109	U	0.545	U	0.109	U
Isopropylbenzene (Cumene)	0.651	U	0.651	U	1.3	U	0.26	U	0.26	U	0.13	U	0.651	U	0.13	U
Methyl Acetate	0.797	U	0.797	U	1.59	U	0.319	U	0.319	U	0.159	U	0.797	U	0.159	U
Methylcyclohexane	0.717	U	0.717	U	1.43	U	0.287	U	0.287	U	0.143	U	0.717	U	0.143	U
Methylene chloride	0.745	U	0.745	U	1.49	U	0.298	U	0.298	U	0.149	U	0.745	U	**0.176**	**J**
Styrene	0.447	U	0.447	U	0.894	U	0.179	U	0.179	U	0.089	U	0.447	U	0.089	U
Tetrachloroethene	**455**		**445**		**788**		**190**		**362**		**2.68**	**J**	**516**		**1.78**	**J**
Toluene	0.609	U	0.609	U	1.22	U	0.244	U	0.244	U	0.122	U	0.609	U	0.122	U
Trichloroethene	**241**		**241**		**641**		**72.6**		**158**		**0.769**	**J**	**208**		0.161	U
Trichlorofluoromethane	0.785	U	0.785	U	1.57	U	0.314	U	0.314	U	0.157	U	0.785	U	0.157	U
Trichlorotrifluoroethane	0.79	U	0.79	U	1.58	U	0.316	U	0.316	U	0.158	U	0.79	U	0.158	U
Vinyl acetate	0.755	U	0.755	U	1.51	U	0.302	U	0.302	U	0.151	U	0.755	U	0.151	U
Vinyl chloride	0.636	U	0.636	U	1.27	U	0.254	U	0.254	U	0.127	U	0.636	U	0.127	U
Xylene (total)	0.894	U	0.894	U	1.79	U	0.358	U	0.358	U	0.179	U	0.894	U	0.179	U
cis-1,2-Dichloroethene	**49**		**51.3**		**167**		**0.556J**	**J**	**3.13**	**J**	0.103	U	**23.5**	**J**	0.533	U
cis-1,3-Dichloropropene	0.621	U	0.621	U	1.24	U	0.248	U	0.248	U	0.124	U	0.621	U	0.124	U
m,p-Xylene	0.617	U	0.617	U	1.23	U	0.247	U	0.247	U	0.123	U	0.617	U	0.123	U
o-Xylene	0.277	U	0.277	U	0.554	U	0.111	U	0.111	U	0.055	U	0.277	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.389	U	0.389	U	0.777	U	0.155	U	0.155	U	0.078	U	0.389	U	0.078	U
trans-1,2-Dichloroethene	0.385	U	0.385	U	0.077	U	0.154	U	0.154	U	0.077	U	0.385	U	0.077	U
trans-1,3-Dichloropropene	0.639	U	0.639	U	0.128	U	0.255	U	0.255	U	0.128	U	0.639	U	0.128	U
MNA Parameters																
Ethane	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	0.435	U	0.435	U	0.435	U	**24.8**		**2.93**		**0.544**	**J**	0.435	U	0.435	U
Total Organic Carbon	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.3	U	0.30	U	**3.0**	
Sulfide	2.00	U	2.00	U	2.00	U	2	U	2	U	2	U	2.00	U	2	U
Chloride	**3.03**		**2.99**		**3.06**		**0.895**		**1.51**		**0.139**	**J**	**25.6**		**7.14**	
Nitrate	**12.7**		**12.7**		**15.1**		**10.5**		**16.2**		**7.23**		**6.24**		**8.79**	
Sulfate	**32.2**		**32.7**		**23.8**		**17.5**		**29.9**		**10.6**		**46.5**		**81.5**	
Ferrous Iron (mg/L)	0.00		NM		0.00		0.00		0.00		0.00		0.00		0.00	
Groundwater Quality																
Temperature	18.43		NM		20.54		23.47		25.44		15.92		26.52		18.25	
pH	5.77		NM		3.88		5.52		5.72		5.54		5.83		5.87	
Turbidity	1.1		NM		9.7		7.9		0.0		18.9		15.6		3.5	
Conductivity	0.215		NM		0.174		0.206		0.219		0.115		0.272		0.584	
ORP	232		NM		261		500		107		176		220		229	
Dissolved Oxygen (mg/L)	2.57		NM		2.63		0.48		0.38		1.39		1.79		0.40	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	SMFDR-2		SMFDR-3		SMFDS-3		SMFMW-1		DUP-4 (SMFMW-		SMFMW-10		SMFMW-11		SMFMW-12	
Property Location	Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing	
Sample Collection Date	14-Mar-14		19-Mar-14		19-Mar-14		19-Mar-14		19-Mar-14		24-Mar-14		20-Mar-14		13-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.123	U	0.246	U	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U
1,1,2,2-Tetrachloroethane	0.109	U	0.218	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2-Trichloroethane	0.159	U	0.318	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U
1,1-Dichloroethane	0.171	U	0.342	U	0.171	U	0.171	U	0.171	U	0.171	U	0.171	U	0.171	U
1,1-Dichloroethene	1.22	J	0.416	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
1,2,4-Trichlorobenzene	0.105	U	0.21	U	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U
1,2-Dibromo-3-chloropropane	0.194	U	0.388	U	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U
1,2-Dibromoethane	0.102	U	0.205	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U
1,2-Dichlorobenzene	0.135	U	0.27	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U
1,2-Dichloroethane	0.116	U	0.232	U	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U
1,2-Dichloropropane	0.150	U	0.301	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U
1,3-Dichlorobenzene	0.138	U	0.275	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U
1,4-Dichlorobenzene	0.083	U	0.166	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
2-Butanone	0.142	U	0.284	U	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U
2-Chloroethylvinyl ether	0.146	U	0.291	U	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U
2-Hexanone	0.122	U	0.245	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U
4-Methyl-2-pentanone	0.120	U	0.24	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Acetone	0.193	U	0.746	J	1.09	J	0.762	J	0.653	J	2.86	J	2.38	J	0.193	U
Benzene	0.111	U	0.222	U	0.111	U	0.111	U	0.111	U	0.111	U	0.111	U	0.111	U
Bromodichloromethane	0.083	U	0.167	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Bromoform	0.215	U	0.43	U	0.215	U	0.215	U	0.215	U	0.33	J	0.215	U	0.215	U
Bromomethane	0.427	U	0.854	U	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U
Carbon disulfide	0.19	U	0.38	U	0.19	U	0.19	U	0.19	U	0.190	U	0.190	U	0.190	U
Carbon tetrachloride	0.248	U	0.496	U	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U
Chlorobenzene	0.083	U	0.166	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Chloroethane	0.235	U	0.47	U	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U
Chloroform	0.155	U	0.31	U	0.155	U	0.686	J	0.687	J	0.155	U	0.155	U	0.155	U
Chloromethane	0.144	U	0.287	U	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U
Cyclohexane	0.337	U	0.674	U	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U
Dibromochloromethane	0.054	U	0.108	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U
Dichlorodifluoromethane	0.145	U	0.29	U	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U
Ethylbenzene	0.109	U	0.218	U	0.109	U	0.317	J	0.109	U	0.109	U	0.109	U	0.109	U
Isopropylbenzene (Cumene)	0.13	U	0.26	U	0.13	U	0.13	U	0.13	U	0.130	U	0.130	U	0.130	U
Methyl Acetate	0.159	U	0.319	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U
Methylcyclohexane	0.143	U	0.287	U	0.143	U	0.465	J	0.143	U	0.143	U	0.143	U	0.143	U
Methylene chloride	0.149	U	0.298	U	0.149	U	0.149	U	0.149	U	0.161	J	0.149	U	0.149	U
Styrene	0.089	U	0.179	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U
Tetrachloroethene	2.92	J	260		12.6		4.58	J	4.96	J	7.69		0.193	U	2.18	J
Toluene	0.122	U	0.244	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U
Trichloroethene	4.21	J	7.53	J	0.161	U	1.43	J	1.63	J	0.189	J	0.161	U	0.161	U
Trichlorofluoromethane	0.157	U	0.314	U	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U
Trichlorotrifluoroethane	0.158	U	0.316	U	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U
Vinyl acetate	0.151	U	0.302	U	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U
Vinyl chloride	0.127	U	0.254	U	0.127	U	0.127	U	0.127	U	0.127	U	0.127	U	0.127	U
Xylene (total)	0.179	U	2.83	J	0.179	U	1.21	J	0.179	U	0.179	U	0.179	U	0.179	U
cis-1,2-Dichloroethene	0.208	J	1.77	J	2.1		0.515	J	0.533	U	0.708	J	0.103	U	0.103	U
cis-1,3-Dichloropropene	0.124	U	0.248	U	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U
m,p-Xylene	0.123	U	1.56	J	0.123	U	0.761	J	0.123	U	0.214	U	0.214	U	0.214	U
o-Xylene	0.055	U	1.27	J	0.055	U	0.452	J	0.055	U	0.055	U	0.055	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.078	U	0.155	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
trans-1,2-Dichloroethene	0.077	U	0.154	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U
trans-1,3-Dichloropropene	0.128	U	0.255	U	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U
MNA Parameters																
Ethane	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	207		0.435	U
Total Organic Carbon	1		0.30	U	0.66	J	2.7		1.4		0.35	J	3.4		0.30	U
Sulfide	2	U	2.00	U	2	U	2	U	2	U	2		2	U	2.00	U
Chloride	2.63		21.7		16.9		21.3		20.1		3.38		0.05	U	1.14	
Nitrate	30.7		10.3		13.9		1.49		1.45		17.8		5.95	U	0.050U	U
Sulfate	26.6		34.2		48.7		26		27		5.28		103		8.14	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		NM		0.00		1.50		0.00	
Groundwater Quality																
Temperature	17.24		14.28		16.76		18.31		NM		17.40		18.35		15.33	
pH	5.75		6.14		5.61		4.86		NM		5.23		6.68		6.05	
Turbidity	16.8		0.5		0.0		2.0		NM		0.0		2.8		0.0	
Conductivity	0.278		0.351		0.356		0.191		NM		0.144		0.783		0.134	
ORP	248		265		284		352		NM		266		-66		201	
Dissolved Oxygen (mg/L)	1.73		6.42		3.77		4.35		NM		7.10		0.62		6.54	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 4
SUMMARY OF 2014 BASELINE GROUNDWATER ANALYTICAL RESULTS
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Well Designation	SMFMW-13		SMFMW-14		SMFMW-17		SMFMW-18		SMFMW-1D		SMFMW-2		SMFMW-3		SMFMW-4	
Property Location	Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing		Southern Metal Finishing	
Sample Collection Date	18-Mar-14		20-Mar-14		20-Mar-14		21-Mar-14		18-Mar-14		19-Mar-14		18-Mar-14		18-Mar-14	
VOCs																
1,1,1-Trichloroethane	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U	0.123	U
1,1,2,2-Tetrachloroethane	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2-Trichloroethane	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U
1,1-Dichloroethane	0.171	U	0.171	U	0.646	J	0.171	U	0.584	J	0.171	U	0.171	U	0.171	U
1,1-Dichloroethene	0.208	U	0.208	U	0.436	J	0.208	U	1.11	J	0.208	U	0.208	U	0.208	U
1,2,4-Trichlorobenzene	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U	0.105	U
1,2-Dibromo-3-chloropropane	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U	0.194	U
1,2-Dibromoethane	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U
1,2-Dichlorobenzene	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U
1,2-Dichloroethane	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U	0.116	U
1,2-Dichloropropane	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U
1,3-Dichlorobenzene	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U
1,4-Dichlorobenzene	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
2-Butanone	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U	0.142	U
2-Chloroethylvinyl ether	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U	0.146	U
2-Hexanone	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U
4-Methyl-2-pentanone	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Acetone	0.193	U	2.38	J	2.45	J	0.193	U	0.193	U	0.65	J	0.193	U	0.193	U
Benzene	0.111	U	0.111	U	0.111	U	0.208	J	0.111	U	0.111	U	0.111	U	0.111	U
Bromodichloromethane	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.322	J	0.083	U
Bromoform	0.215	U	0.215	U	0.215	U	0.215	U	0.215	U	0.215	U	0.215	U	0.215	U
Bromomethane	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U	0.427	U
Carbon disulfide	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U
Carbon tetrachloride	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U	0.248	U
Chlorobenzene	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Chloroethane	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U	0.235	U
Chloroform	0.155	U	0.227	J	0.155	U	0.172	J	0.436	J	2.16	J	3.45	J	0.155	U
Chloromethane	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U	0.144	U
Cyclohexane	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U	0.337	U
Dibromochloromethane	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U
Dichlorodifluoromethane	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U	0.145	U
Ethylbenzene	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
Isopropylbenzene (Cumene)	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
Methyl Acetate	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U	0.159	U
Methylcyclohexane	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
Methylene chloride	0.149	U	0.149	U	0.187	J	0.149	U	0.149	U	0.149	U	0.149	U	0.149	U
Styrene	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U
Tetrachloroethene	2.65	J	25.2		0.193	U	2.92	J	1.67	J	129		54.2		4.29	J
Toluene	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U	0.122	U
Trichloroethene	0.161	U	5.37		0.161	U	0.86	J	4.13	J	23.8		5.16		0.161	U
Trichlorofluoromethane	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U	0.157	U
Trichlorotrifluoroethane	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U	0.158	U
Vinyl acetate	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U	0.151	U
Vinyl chloride	0.127	U	0.127	U	0.127	U	0.992	J	0.127	U	0.127	U	0.127	U	0.127	U
Xylene (total)	0.179	U	0.179	U	0.179	U	0.214	U	0.214	U	0.214	U	0.214	U	0.214	U
cis-1,2-Dichloroethene	0.103	U	0.34	J	0.103	U	4.19	J	0.103	U	3.21		0.274	J	0.103	U
cis-1,3-Dichloropropene	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U	0.124	U
m,p-Xylene	0.214	U	0.214	U	0.214	U	0.214	U	0.214	U	0.214	U	0.214	U	0.214	U
o-Xylene	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U
tert-Butyl methyl ether (MTBE)	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
trans-1,2-Dichloroethene	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U
trans-1,3-Dichloropropene	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U	0.128	U
MNA Parameters																
Ethane	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
Ethene	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Methane	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U	0.435	U
Total Organic Carbon	0.30	U	1.0		2.5		6.1		1.3		0.3	U	1.2		0.78	J
Sulfide	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.4		2.00	
Chloride	2.26		4.73		12.5		4.75		2.67		20		22		0.071	J
Nitrate	0.465		1.81		2.98		8.72		22.9		6.84		14.5		5.48	
Sulfate	13.2		127		36		106		23.1		28.1		7.67		40.6	
Ferrous Iron (mg/L)	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Groundwater Quality																
Temperature	17.31		20.00		20.19		16.62		15.13		16.92		14.36		14.46	
pH	6.13		5.98		5.95		7.35		6.07		4.59		4.38		5.75	
Turbidity	2.6		0.3		0.0		0.0		0.0		1.1		0.3		0.0	
Conductivity	0.121		0.465		0.274		1.380		0.260		0.238		0.279		0.220	
ORP	145		154		224		220		238		376		375		98	
Dissolved Oxygen (mg/L)	4.12		1.66		0.91		4.09		3.59		3.01		6.18		1.04	

Notes: NM - Not Measured
ug/l - microgram per liter
J- estimated value
u - compound below the meathod detection limit

TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
SMFDR-1	SMFDR-1	3/20/2014	<0.208	**2.48J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**1.78J**	<0.161
SMFDR-2	SMFDR-2	3/14/2014	**1.22J**	<0.193	<0.111	<0.155	**0.208J**	<0.109	<0.130	<0.123	<0.143	<0.055	**2.92J**	**4.21J**
SMFDR-3	SMFDR-3	3/19/2014	<0.416	**0.746J**	<0.222	<0.310	**1.77J**	<0.218	<0.260	**1.56J**	<0.287	**1.27J**	**260**	**7.53J**
SMFDS-3	SMFDS-3	3/19/2014	<0.208	**1.09J**	<0.111	<0.155	**2.10J**	<0.109	<0.130	<0.123	<0.143	<0.055	**12.6**	<0.161
SMFMW-1		3/1/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	**7.4**
SMFMW-1	SMFMW-1	3/19/2014	<0.208	**0.762J**	**0.130J**	**0.686J**	**0.515J**	**0.317J**	<0.130	**0.761J**	**0.465J**	**0.452J**	**4.58J**	**1.43J**
DUP-4 (SMFMW-1)	DUP-4 (SMFMW-1)	3/19/2014	**0.208**	**0.653J**	**0.111**	**0.687J**	**0.533**	**0.109**	**0.13**	**0.123**	**0.143**	**0.055**	**4.96J**	**1.63J**
SMFMW-2		3/1/2011	<5	<50	<5	<5	**14**	<5	<5	<5	<5	<5	**180**	**35**
SMFMW-2	SMFMW-2	3/19/2014	<0.208	**0.650J**	<0.111	**2.16J**	**3.21J**	<0.109	<0.130	<0.123	<0.143	<0.055	**129**	**23.8**
SMFMW-3		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**78**	**8**
SMFMW-3	SMFMW-3	3/18/2014	<0.208	<0.193	<0.111	**3.45J**	**0.274J**	<0.109	<0.130	<0.123	<0.143	<0.055	**54.2**	**5.16**
SMFMW-4		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**16**	<5
SMFMW-4	SMFMW-4	3/18/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**4.29J**	<0.161
SMFMW-6		2/28/2011	<5	<50	<5	<5	<5	**130**	**77**	**250**	**23**	**460**	**48**	<5
SMFMW-6	SMFMW-6	3/21/2014	<0.208	**6.01**	<0.111	<0.155	**0.337J**	**22.4**	**24.4**	**42.3**	**4.05J**	**117**	**25.1**	**1.25J**
SMFMW-7		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**10**	<5
SMFMW-7	SMFMW-7	3/20/2014	<0.208	**3.37J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**15.6**	<0.161
SMFMW-9		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**5.8**	<5
SMFMW-9	SMFMW-9	3/24/2014	<0.208	**2.36J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**3.36J**	<0.161
SMFMW-10		3/1/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SMFMW-10	SMFMW-10	3/24/2014	<0.208	**2.86J**	<0.111	<0.155	**0.708J**	<0.109	<0.130	<0.123	<0.143	<0.055	**7.69**	**0.189J**
SMFMW-11		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SMFMW-11	SMFMW-11	3/20/2014	<0.208	**2.38J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	<0.193	<0.161
SMFMW-12		3/2/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SMFMW-12	SMFMW-12	3/13/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**2.18J**	<0.161
SMFMW-13			<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**11**	<5

Notes:
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TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
SMFMW-13	SMFMW-13	3/18/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**2.65J**	<0.161
SMFMW-14		3/1/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	**60**	**6.7**
SMFMW-14	SMFMW-14	3/20/2014	<0.208	**2.38J**	<0.111	**0.227J**	**0.340J**	<0.109	<0.130	<0.123	<0.143	<0.055	**25.2**	**5.37**
SMFMW-17		3/1/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SMFMW-17	SMFMW-17	3/20/2014	0.436J	**2.45J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	<0.193	<0.161
SMFMW-18		2/28/2011	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SMFMW-18	SMFMW-18	3/21/2014	<0.208	<0.193	**0.208J**	**0.172J**	**4.19J**	<0.109	<0.130	<0.123	<0.143	<0.055	**2.92J**	**0.860J**
SMFMW-1D	SMFMW-1D	3/18/2014	**1.11J**	<0.193	<0.111	**0.436J**	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**1.67J**	**4.13J**
SMWPI-1	SMWPI-1	3/19/2014	<0.208	**0.736J**	<0.111	<0.155	**1.14J**	<0.109	<0.130	<0.123	<0.143	<0.055	**6.41**	<0.161
DUP-5 (SMFPI-1)	DUP-5 (SMFPI-1)	3/19/2014	<0.208	**0.666J**	<0.111	<0.155	**1.31J**	<0.109	<0.130	<0.123	<0.143	<0.055	**6.38**	<0.161
AKZMW-3	AKZMW-3	3/13/2014	<0.208	NA	NA	NA	<0.103	NA	NA	NA	NA	NA	<0.193	<0.161
AKZMW-4	AKZMW-4	3/13/2014	<0.208	NA	NA	NA	<0.103	NA	NA	NA	NA	NA	<0.193	<0.161
AKZMW-6	AKZMW-6	3/13/2014	<0.208	NA	NA	NA	<0.103	NA	NA	NA	NA	NA	<0.193	<0.161
AKZMW-7	AKZMW-7	3/13/2014	<0.208	NA	NA	NA	<0.103	NA	NA	NA	NA	NA	<0.193	<0.161
AKZMW-8	AKZMW-8	3/13/2014	<0.208	NA	NA	NA	<0.103	NA	NA	NA	NA	NA	<0.193	<0.161
MW-1 (ABC)		7/10/2008	< 5	< 20	< 5	< 5	**71**	< 5	< 5	< 10	< 5	< 5	**200**	**260**
MW-1 (ABC)		11/5/2008	< 5	< 20	< 5	< 5	**190**	< 5	< 5	< 10	< 5	< 5	**240**	**330**
MW-1 (ABC)		1/14/2009	< 5	< 20	< 5	< 5	**210**	< 5	< 5	< 10	< 5	< 5	**230**	**260**
MW-1 (ABC)		8/3/2009	**5.4**	< 50	< 5	< 5	**260**	< 5	NR	NR	NR	NR	**310**	**260**
MW-1 (ABC)		4/1/2010	< 5	< 50	< 5	< 5	**420**	< 5	< 5	< 10	< 5	< 5	**250**	**200**
MW-1 (ABC)		6/13/2012	<2.0	<100	<2.0	<2.0	**390**	<2.0	<10	< 5	< 5	< 5	**62**	**57**
MW-2 (ABC)		7/10/2008	< 5	< 50	< 5	< 5	**120**	< 5	< 5	< 10	< 5	< 5	**130**	**110**
MW-2 (ABC)		11/5/2008	< 5	< 50	< 5	< 5	**64**	< 5	< 5	< 10	< 5	< 5	**150**	**110**
MW-2 (ABC)		1/14/2009	< 5	< 20	< 5	< 5	**48**	< 5	< 5	< 10	< 5	< 5	**130**	**91**
MW-2 (ABC)		8/3/2009	< 5	< 20	< 5	< 5	**49**	< 5	< 5	< 10	< 5	< 5	**93**	**88**

Notes:
Concentrations in micrograms per liter
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TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
MW-2 (ABC)		4/1/2010	< 5	< 20	< 5	< 5	**39**	< 5	< 5	< 10	NR	< 5	**330**	**160**
MW-3 (ABC)		7/1/2008	<5	< 50	< 5	< 5	**190**	< 5	< 5	NR	< 5	< 5	**820**	**530**
MW-3 (ABC)		11/5/2008	< 5	< 50	< 5	< 5	**170**	< 5	**5.1**	< 10	< 5	< 5	**1200**	**760**
MW-3 (ABC)		1/14/2009	< 5	< 50	< 5	< 5	**150**	< 5	< 5	< 10	15	< 5	**820**	**530**
MW-3 (ABC)		8/3/2009	< 5	< 50	< 5	< 5	**140**	< 5	< 5	< 10	< 5	< 5	**900**	**520**
MW-3 (ABC)		4/1/2010	< 5	< 20	< 5	< 5	**150**	< 5	< 5	< 10	**6.5**	< 5	**950**	**480**
MW-3 (ABC)		6/13/2012	<2.0	<100	<2.0	<2.0	**97**	<2.0	<10	< 5	< 5	< 5	**400**	**210**
MW-4 (ABC)		11/5/2008	< 5	< 20	< 5	< 5	**70**	< 5	< 5	< 10	<5	< 5	**450**	**270**
MW-4 (ABC)		1/14/2009	< 5	< 20	< 5	< 5	**72**	< 5	< 5	< 10	< 5	< 5	**490**	**290**
MW-4 (ABC)		8/3/2009	<5	< 50	< 5	< 5	**87**	< 5	< 5	NR	**6.5**	NR	**620**	**310**
MW-4 (ABC)		4/1/2010	< 5	< 50	< 5	< 5	**100**	< 5	< 5	< 10	<5	< 5	**610**	**270**
MW-4 (ABC)		6/13/2012	<2.0	<100	<2.0	<2.0	**39**	<2.0	<10	< 5	< 5	< 5	**200**	**100**
MW-4 (ABC)	MTWMW-4	3/11/2014	<0.416	<0.387	<0.222	15.8	**27.7**	<0.218	<0.260	<0.247	<0.287	<0.111	**172**	**55.7**
MW-5 (ABC)		11/5/2008	< 5	< 50	< 5	**8.6**	**170**	< 5	< 5	< 10	< 5	< 5	**440**	**290**
MW-5 (ABC)		1/14/2009	< 5	< 50	< 5	**6.2**	**140**	< 5	< 5	< 10	< 5	< 5	**460**	**290**
MW-5 (ABC)		8/3/2009	< 5	< 50	< 5	< 5	**140**	< 5	< 5	< 10	< 5	< 5	**570**	**290**
MW-5 (ABC)		4/1/2010	< 5	< 20	< 5	< 5	**170**	< 5	< 5	< 10	< 5	< 5	**450**	**260**
MW-5 (ABC)		4/24/2012	<5	< 50	< 5	< 5	**130**	< 5	< 5	< 5	< 5	< 5	**430**	**200**
MW-6 (ABC)		1/14/2009	< 5	< 20	< 5	< 5	**58**	< 5	< 5	< 10	< 5	< 5	**52**	**52**
MW-6 (ABC)		8/3/2009	< 5	< 50	< 5	< 5	**100**	< 5	< 5	NR	< 5	NR	**240**	**170**
MW-6 (ABC)		4/1/2010	< 5	< 50	< 5	< 5	**110**	< 5	< 5	< 10	< 5	< 5	**260**	**200**
MW-6 (ABC)		4/24/2012	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**320**	**190**
MW-7 (ABC)		1/14/2009	**19**	< 50	< 5	< 5	**11**	< 5	< 5	< 10	< 5	< 5	**260**	**210**
MW-7 (ABC)		8/3/2009	**32**	< 50	< 5	< 5	**10**	< 5	< 5	< 10	< 5	< 5	**240**	**190**
MW-7 (ABC)		4/1/2010	**8.2**	< 20	< 5	< 5	**6.4**	< 5	< 5	< 10	< 5	< 5	**46**	**50**
MW-7 (ABC)		6/13/2012	**23**	<100	<2.0	<2.0	**16.0**	<2.0	<10	< 5	< 5	< 5	**270**	**190**

Notes:
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TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
MW-7 (ABC)	MTWMW-7	3/10/2014	**5.15**	<0.193	<0.111	<0.155	**49.4**	<0.109	<0.130	<0.123	<0.143	<0.055	**33**	**34**
MW-8 (ABC)		3/31/2009	< 5	< 20	< 5	< 5	**51**	< 5	< 5	< 10	< 5	< 5	**1,500**	**740**
MW-8 (ABC)		8/3/2009	< 5	< 20	< 5	< 5	**59**	< 5	< 5	< 10	**11**	< 5	**1,500**	**670**
MW-8 (ABC)		4/1/2010	<5	< 50	< 5	< 5	**31**	< 5	< 5	NR	<5	NR	**670**	**380**
MW-8 (ABC)		6/11/2012	<2.0	<100	<2.0	<2.0	**53**	<2.0	<10	< 5	<5	< 5	**610**	**360**
MW-8 (ABC)	MTWMW-08	3/11/2014	<2.08	<1.93	<1.11	**2.77J**	**48.4J**	<1.09	<1.30	<1.23	<1.43	<0.554	**665**	**310**
MW-9 (ABC)		3/31/2009	< 5	< 50	< 5	< 5	**93**	< 5	< 5	< 10	< 5	< 5	**1,000**	**560**
MW-9 (ABC)		8/3/2009	<5	< 50	< 5	< 5	**120**	< 5	< 5	< 10	< 5	< 5	**990**	**580**
MW-9 (ABC)		4/10/2010	<5	< 50	< 5	< 5	**30**	< 10	< 5	< 10	< 5	< 5	**220**	**160**
MW-9 (ABC)		6/11/2012	<2.0	<100	<2.0	<2.0	**80**	<2.0	<10	< 5	< 5	< 5	**500**	**310**
MW-9 (ABC)	MTWMW-9	3/11/2014	<0.416	<0.967	<0.555	**2.09J**	**49**	<0.545	<0.651	<0.617	<0.717	<0.277	**455**	**241**
MW-9 (ABC)	DUP-1 (MTWMW-	3/11/2014	<0.416	<0.967	<0.555	**2.14J**	**51.3**	<0.545	<0.651	<0.617	<0.717	<0.277	**445**	**241**
MW-10 (ABC)		3/31/2009	< 5	< 20	< 5	< 5	**12**	< 5	< 5	< 10	< 5	< 5	**260**	**77**
MW-10 (ABC)		8/3/2009	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**110**	**30**
MW-10 (ABC)		4/10/2010	< 5	< 20	< 5	< 5	**6.8**	< 5	< 5	< 10	< 5	< 5	**94**	**28**
MW-10 (ABC)		6/11/2012	<2.0	<100	<2.0	<2.0	**6.3**	<2.0	<10	< 5	< 5	< 5	**86**	**20**
MW-10 (ABC)	MTWMW-10	3/10/2014	<0.208	<0.193	<0.111	**0.854J**	**1.57J**	<0.109	**0.727J**	<0.123	**1.36J**	**6.3**	**61.3**	**12.6**
MW-11 (Goodstone)		8/3/2009	<5	< 50	< 5	**16**	< 5	< 5	< 5	NR	< 5	NR	**31**	**5.4**
MW-11 (Goodstone)		4/1/2010	< 5	< 50	< 5	**5.7**	**5.4**	< 5	< 5	< 10	< 5	< 5	**48**	**18**
MW-11 (Goodstone)		3/7/2011	< 5	< 50	< 5	< 5	**27**	< 5	< 5	< 10	< 5	< 5	**290**	**86**
MW-11 (Goodstone)	GPMW-11	3/10/2014	<0.208	**0.926J**	<0.111	**4.18J**	**0.389J**	<0.109	<0.130	<0.123	<0.143	<0.055	**18**	**2.44J**
MW-12 (ABC)		8/3/2009	<5	< 50	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**14**	**7**
MW-12 (ABC)		4/1/2010	<5	< 50	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**56**	**37**

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MW-12 (ABC)		6/13/2012	<2.0	<100	<2.0	<2.0	<2.0	<2.0	<10	< 5	< 5	< 5	<2	<2.0
MW-12 (ABC)	MTWMW-12	3/11/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**0.323J**	<0.161
MW-13 (ABC)		8/3/2009	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	<5	< 5
MW-13 (ABC)		4/24/2012	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
HOAMW-14	HOAMW-14	3/12/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**0.858J**	**0.378J**
HOAMW-3	HOAMW-3	3/11/2014	0.416	0.387	0.222	**6.26J**	**55.4**	**0.218**	**0.26**	**0.247**	**0.287**	**0.111**	**222**	**91.9**
HOAMW-5	HOAMW-5	3/13/2014	<0.416	<0.387	<0.222	**2.97J**	**81.1**	<0.218	<0.260	<0.247	<0.287	<0.111	**252**	**96.1**
RPMW-1	RPMW-1	3/12/2014	<2.08	<1.93	<1.11	**3.96J**	**167**	<1.09	<1.30	<1.23	<1.43	<0.554	**788**	**641**
RPMW-2	RPMW-2	3/10/2014	<0.208	<0.193	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**2.68J**	**0.769J**
MW-14 (DAL)		4/1/2010	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**140**	**56**
MW-14 (DAL)		3/7/2011	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**360**	**130**
MW-14 (DAL)	RPMW-14	3/10/2014	<0.416	<0.387	**0.359J**	<0.310	0.556J	<0.218	<0.260	<0.247	<0.287	<0.111	**190**	**73**
MW-15 (DAL)		4/10/2010	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**630**	**380**
MW-15 (DAL)		3/7/2011	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	**11**	< 5	**780**	**310**
MW-15 (DAL)	RPMW-15	3/11/2014	<0.416	6.33J	<0.222	<0.310	3.13J	<0.218	<0.260	<0.247	**<0.287**	<0.111	**362**	**158**
MW-16 (RS)		4/1/2010	< 5	< 50	< 5	< 5	**170**	< 5	< 5	NR	< 5	NR	**1,000**	**810**
MW-16 (RS)		3/11/2011	< 5	< 50	< 5	< 5	**240**	< 5	< 5	NR	< 5	NR	**1,600**	**930**
MW-16 (RS)	JPMW-16	3/12/2014	<0.416	**6.23J**	<0.222	**1.53J**	**44**	<0.218	<0.260	<0.247	<0.287	<0.111	**262**	**177**
MW-17 (RS)		4/1/2010	< 5	< 50	< 5	<5	**14**	< 5	< 5	< 10	< 5	< 5	**140**	**36**
MW-17 (RS)		3/11/2011	< 5	< 50	< 5	<5	**72**	< 5	< 5	< 10	< 5	< 5	**340**	**92**
MW-17 (RS)	JPMW-17	3/11/2014	<0.208	<0.193	<0.111	**1.51J**	**5**	<0.109	<0.130	<0.123	<0.143	<0.055	**67**	**11**
MW-18 (Goodstone)		4/1/2010	< 5	**71**	< 5	<5	**220**	< 5	< 5	< 10	< 5	< 5	**310**	**160**
MW-18 (Goodstone)		3/8/2011	< 5	< 50	< 5	<5	**250**	< 5	< 5	< 10	< 5	< 5	**370**	**130**

Notes:
Concentrations in micrograms per liter
< - result below the method detection limit
J - result estimated between method detection limit and reporting limit

TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 6 of 7)

Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
MW-18 (Goodstone)	GPMW-18	3/10/2014	**0.734J**	<0.387	<0.222	**2.31J**	**106**	<0.218	<0.260	<0.247	<0.287	<0.111	**261**	**52**
MW-19 (Goodstone)		4/1/2010	< 5	**190**	< 5	< 5	**180**	**93**	< 5	<10	< 5	**440**	**270**	**170**
MW-19 (Goodstone)		3/8/2011	< 5	< 50	< 5	< 5	**190**	< 5	< 5	<10	< 5	< 5	**500**	**190**
MW-19 (Goodstone)	GPMW-19	3/10/2014	<1.04	<0.967	<0.555	**3.62J**	**164**	<0.545	<0.651	<0.617	<0.717	<0.277	**306**	**131**
MW-20 (Goodstone)		6/10/2010	< 5	< 20	< 5	< 5	**9.3**	< 5	< 5	< 10	< 5	< 5	**110**	**12**
MW-20 (Goodstone)		3/8/2011	< 5	< 20	< 5	< 5	**14**	< 5	< 5	< 10	< 5	< 5	**120**	**15**
MW-20 (Goodstone)	GPMW-20	3/10/2014	<0.208	<0.193	<0.111	**0.451J**	**6**	<0.109	<0.130	<0.123	<0.143	<0.055	**30**	**4.05J**
MW-21 (RS)		6/10/2010	< 5	< 20	< 5	< 5	**120**	< 5	< 5	< 10	< 5	< 5	**290**	**120**
MW-21 (RS)		3/8/2011	< 5	< 20	< 5	< 5	**99**	< 5	< 5	< 10	< 5	< 5	**330**	**100**
MW-21 (RS)	JPMW-21	3/11/2014	**0.345J**	<0.193	<0.111	**17.2**	**39**	<0.109	<0.130	<0.123	<0.143	<0.055	**152**	**33**
MW-22 (RS)		6/10/2010	< 5	< 20	**7.5**	<5	**250**	< 5	< 5	< 10	< 5	< 5	**1,300**	**230**
MW-22 (RS)		3/8/2011	< 5	< 20	**13**	**6.2**	**290**	< 5	< 5	< 10	< 5	< 5	**1,400**	**190**
MW-22 (RS)	JPMW-22	3/11/2014	**1.22J**	<0.387	**4.98J**	**2.07J**	**22**	<0.218	<0.260	<0.247	<0.287	<0.111	**142**	**17**
MW-22D* (RS)		3/8/2011	< 5	< 20	**14**	**6.1**	**320**	< 5	< 5	< 10	<5	< 5	**1,400**	**200**
MW-23 (RS)		6/10/2010	< 5	< 20	**1.5**	< 5	**53**	< 5	< 5	< 10	<5	< 5	**350**	**110**
MW-23 (RS)		3/8/2011	< 5	< 20	< 5	< 5	**52**	< 5	< 5	< 10	< 5	< 5	**460**	**120**
MW-23 (RS)	JPMW-23	3/12/2014	**1.66J**	<0.193	**0.989J**	**0.855J**	**40**	<0.109	<0.130	<0.123	<0.143	<0.055	**111**	**35**
MW-24 (DAL)		6/10/2010	<5	< 50	< 5	< 5	**12**	< 5	< 5	NR	< 5	NR	**1,100**	**380**
MW-24 (DAL)		3/7/2011	<5	< 50	< 5	< 5	**18**	< 5	< 5	NR	<5	NR	**1,200**	**400**

Notes:
Concentrations in micrograms per liter
< - result below the method detection limit
J - result estimated between method detection limit and reporting limit

TABLE 5
Summary of Current and Historic Site-Wide Groundwater Quality Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 7 of 7)

Well Designation (Property Location)	2014 Well Designation	Sample Date	1,1-Dichloroethene	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methylcyclohexane	o-Xylene	Tetrachloroethene	Trichloroethene
MW-24 (DAL)	RPMW-24	3/10/2014	<1.04	<0.967	<0.555	**1.65J**	**23.5J**	<0.545	<0.651	<0.617	<0.717	<0.277	**516**	**208**
MW-1 (Dobbins)	DPMW-1S	3/14/2014	<0.208	0.876J	<0.111	**1.19J**	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**1.32J**	<0.161
MW-2 (Dobbins)	DPMW-2S	3/14/2014	<0.208	1.40J	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**20**	**6**
MW-3 (Dobbins)	DPMW-3S	3/18/2014	<0.208	<0.193	<0.111	**0.775J**	**1.58J**	<0.109	<0.130	<0.123	<0.143	<0.055	**33**	**1.60J**
MW-4 (Dobbins)	DPMW-4S	3/14/2014	<0.208	1.18J	<0.111	**1.54J**	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**16**	**2.04J**
MW-25 (Dobbins)		10/28/2010	< 5	< 5	< 5	**8.7**	**8.8**	< 5	< 5	< 5	<5	< 5	**120**	**13**
MW-25 (Dobbins)		3/3/2011	< 5	< 5	< 5	< 5	**16**	< 5	< 5	< 5	< 5	< 5	**110**	**28**
MW-25 (Dobbins)	DPMW-25	3/24/2014	<0.208	**3.61J**	<0.111	**5.69**	**2.95J**	<0.109	<0.130	<0.123	<0.143	<0.055	**64**	**8**
MW-26 (Dobbins)		10/28/2010	<5	< 5	**5.3**	< 5	**12**	< 5	< 5	< 10	< 5	< 5	**28**	**5.8**
MW-26 (Dobbins)		3/3/2011	<5	< 5	**5.2**	< 5	**14**	< 5	< 5	< 10	< 5	< 5	**29**	**5.7**
MW-26 (Dobbins)	DPMW-26	3/21/2014	<0.208	<0.193	<0.111	**0.351J**	**9**	<0.109	<0.130	<0.123	<0.143	<0.055	**38**	**11.0**
MW-27 (Dobbins)		10/28/2010	< 5	< 20	< 5	< 5	**89**	< 5	< 5	< 10	< 5	< 5	**250**	**88**
MW-27 (Dobbins)		3/3/2011	< 5	< 20	< 5	< 5	**77**	< 5	< 5	< 10	< 5	< 5	**260**	**85**
MW-27 (Dobbins)	DPMW-27	3/21/2014	<0.208	**1.07J**	<0.111	<0.155	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	<0.193	<0.161
MW-28 (Dobbins)		10/28/2010	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**70**	**10**
MW-28 (Dobbins)		3/3/2011	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**50**	**6.6**
MW-28D* (Dobbins)		3/3/2011	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	**51**	**6**
MW-28 (Dobbins)	DPMW-28	3/24/2014	<0.208	**1.96J**	<0.111	**10.9**	<0.103	<0.109	<0.130	<0.123	<0.143	<0.055	**15**	**1.41J**

Notes:
Concentrations in micrograms per liter
< - result below the method detection limit
J - result estimated between method detection limit and reporting limit

Table 6
Summary of March 2014 Surface Water Sample Concentrations
Woodall Creek Site

Surface Water Location Sample Collection Date	Unit	S1 25-Mar-14	S6 25-Mar-14	S9 25-Mar-14	S10 25-Mar-14	S11 25-Mar-14	S12 25-Mar-14	S13 25-Mar-14	S14 25-Mar-14
VOCs									
1,1,1-Trichloroethane	ug/L	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U
1,1,2,2-Tetrachloroethane	ug/L	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U
1,1,2-Trichloroethane	ug/L	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U
1,1-Dichloroethane	ug/L	0.171U	0.171U	0.171U	0.171U	0.171U	0.171U	0.171U	0.171U
1,1-Dichloroethene	ug/L	0.208U	0.208U	0.208U	0.208U	0.208U	0.208U	0.208U	0.208U
1,2,4-Trichlorobenzene	ug/L	0.105U	0.105U	0.105U	0.105U	0.105U	0.105U	0.105U	0.105U
1,2-Dibromo-3-chloropropane	ug/L	0.194U	0.194U	0.194U	0.194U	0.194U	0.194U	0.194U	0.194U
1,2-Dibromoethane	ug/L	0.102U	0.102U	0.102U	0.102U	0.102U	0.102U	0.102U	0.102U
1,2-Dichlorobenzene	ug/L	0.135U	0.135U	0.135U	0.135U	0.135U	0.135U	0.135U	0.135U
1,2-Dichloroethane	ug/L	0.116U	0.116U	0.116U	0.116U	0.116U	0.116U	0.116U	0.116U
1,2-Dichloropropane	ug/L	0.150U	0.150U	0.150U	0.150U	0.150U	0.150U	0.150U	0.150U
1,3-Dichlorobenzene	ug/L	0.138U	0.138U	0.138U	0.138U	0.138U	0.138U	0.138U	0.138U
1,4-Dichlorobenzene	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
2-Butanone	ug/L	19.5	15.5	12.4	9.63	9.91	9.94	9.91	9.2
2-Chloroethylvinyl ether	ug/L	0.146U	0.146U	0.146U	0.146U	0.146U	0.146U	0.146U	0.146U
2-Hexanone	ug/L	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U
4-Methyl-2-pentanone	ug/L	15.1	8.82	5.83	4.24J	4.14J	4.13J	3.85J	3.68J
Acetone	ug/L	19.7	16.5	13.5	11.1	10.3	11.6	13	10.1
Benzene	ug/L	0.111U	0.111U	0.111U	0.111U	0.111U	0.111U	0.111U	0.111U
Bromodichloromethane	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
Bromoform	ug/L	0.215U	0.215U	0.215U	0.215U	0.215U	0.215U	0.215U	0.215U
Bromomethane	ug/L	0.427U	0.427U	0.427U	0.427U	0.427U	0.427U	0.427U	0.427U
Carbon disulfide	ug/L	0.190U	0.190U	0.190U	0.190U	0.190U	0.190U	0.190U	0.190U
Carbon tetrachloride	ug/L	0.248U	0.248U	0.248U	0.248U	0.248U	0.248U	0.248U	0.248U
Chlorobenzene	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
Chloroethane	ug/L	0.235U	0.235U	0.235U	0.235U	0.235U	0.235U	0.235U	0.235U
Chloroform	ug/L	0.155U	0.155U	0.155U	0.155U	0.155U	0.155U	0.155U	0.155U
Chloromethane	ug/L	0.144U	0.144U	0.144U	0.144U	0.144U	0.144U	0.144U	0.144U
Cyclohexane	ug/L	0.337U	0.337U	0.337U	0.337U	0.337U	0.337U	0.337U	0.337U
Dibromochloromethane	ug/L	0.054U	0.054U	0.054U	0.054U	0.054U	0.054U	0.054U	0.054U
Dichlorodifluoromethane	ug/L	0.145U	0.145U	0.145U	0.145U	0.145U	0.145U	0.145U	0.145U
Ethylbenzene	ug/L	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U
Isopropylbenzene (Cumene)	ug/L	0.130U	0.130U	0.130U	0.130U	0.130U	0.130U	0.130U	0.130U
Methyl Acetate	ug/L	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U
Methylcyclohexane	ug/L	0.143U	0.143U	0.143U	0.143U	0.143U	0.143U	0.143U	0.143U
Methylene chloride	ug/L	0.149U	0.149U	0.149U	0.149U	0.149U	0.149U	0.149U	0.149U
Styrene	ug/L	0.089U	0.089U	0.089U	0.089U	0.089U	0.089U	0.089U	0.089U
Tetrachloroethene	ug/L	0.193U	4.33J	7.18	7.38	8.24	8.08	8.98	9.73
Toluene	ug/L	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U
Trichloroethene	ug/L	0.161U	1.55J	3.44J	3.44J	3.79J	3.96J	4.22J	4.37J
Trichlorofluoromethane	ug/L	0.157U	0.157U	0.157U	0.157U	0.157U	0.157U	0.157U	0.157U
Trichlorotrifluoroethane	ug/L	0.158U	0.158U	0.158U	0.158U	0.158U	0.158U	0.158U	0.158U
Vinyl acetate	ug/L	0.151U	0.151U	0.151U	0.151U	0.151U	0.151U	0.151U	0.151U
Vinyl chloride	ug/L	0.127U	0.127U	0.127U	0.127U	0.127U	0.127U	0.127U	0.127U
Xylene (total)	ug/L	0.179U	0.179U	0.179U	0.179U	0.179U	0.179U	0.179U	0.179U
cis-1,2-Dichloroethene	ug/L	0.103U	0.103U	0.726J	0.896J	1.19J	1.04J	1.26J	1.25J
cis-1,3-Dichloropropene	ug/L	0.124U	0.124U	0.124U	0.124U	0.124U	0.124U	0.124U	0.124U
m,p-Xylene	ug/L	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U
o-Xylene	ug/L	0.055U	0.055U	0.055U	0.055U	0.055U	0.055U	0.055U	0.055U
tert-Butyl methyl ether (MTBE)	ug/L	0.078U	0.078U	0.078U	0.078U	0.078U	0.078U	0.078U	0.078U
trans-1,2-Dichloroethene	ug/L	0.077U	0.077U	0.077U	0.077U	0.077U	0.077U	0.077U	0.077U
trans-1,3-Dichloropropene	ug/L	0.128U	0.128U	0.128U	0.128U	0.128U	0.128U	0.128U	0.128U

Notes: ug/L - micrograms per liter
u - result below the method detection limit
J - result estimated between method detection limit and reporting limit

Table 6
Summary of March 2014 Surface Water Sample Concentrations
Woodall Creek Site

Surface Water Location Sample Collection Date	Unit	S14 (DUP) 25-Mar-14	S15 25-Mar-14	S16 25-Mar-14	S17 25-Mar-14	S18 25-Mar-14	S19 25-Mar-14	PB 25-Mar-14
VOCs								
1,1,1-Trichloroethane	ug/L	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U
1,1,2,2-Tetrachloroethane	ug/L	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U
1,1,2-Trichloroethane	ug/L	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U
1,1-Dichloroethane	ug/L	0.171U	0.171U	0.171U	0.171U	0.171U	0.171U	0.171U
1,1-Dichloroethene	ug/L	0.208U	0.208U	0.208U	0.208U	0.208U	0.208U	0.208U
1,2,4-Trichlorobenzene	ug/L	0.105U	0.105U	0.105U	0.105U	0.105U	0.105U	0.105U
1,2-Dibromo-3-chloropropane	ug/L	0.194U	0.194U	0.194U	0.194U	0.194U	0.194U	0.194U
1,2-Dibromoethane	ug/L	0.102U	0.102U	0.102U	0.102U	0.102U	0.102U	0.102U
1,2-Dichlorobenzene	ug/L	0.135U	0.135U	0.135U	0.135U	0.135U	0.135U	0.135U
1,2-Dichloroethane	ug/L	0.116U	0.116U	0.116U	0.116U	0.116U	0.116U	0.116U
1,2-Dichloropropane	ug/L	0.150U	0.150U	0.150U	0.150U	0.150U	0.150U	0.150U
1,3-Dichlorobenzene	ug/L	0.138U	0.138U	0.138U	0.138U	0.138U	0.138U	0.138U
1,4-Dichlorobenzene	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
2-Butanone	ug/L	9.08	8.98	9.14	8.5	7.64	7.89	4.31J
2-Chloroethylvinyl ether	ug/L	0.146U	0.146U	0.146U	0.146U	0.146U	0.146U	0.146U
2-Hexanone	ug/L	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U
4-Methyl-2-pentanone	ug/L	3.95J	3.55J	3.75J	3.03J	2.52J	2.42J	0.805J
Acetone	ug/L	11.1	13.3	11.6	10.2	9.18	9.22	5.53
Benzene	ug/L	0.111U	0.111U	0.111U	0.111U	0.111U	0.111U	0.111U
Bromodichloromethane	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
Bromoform	ug/L	0.215U	0.215U	0.215U	0.215U	0.215U	0.215U	0.215U
Bromomethane	ug/L	0.427U	0.427U	0.427U	0.427U	0.427U	0.427U	0.427U
Carbon disulfide	ug/L	0.190U	0.190U	0.190U	0.190U	0.190U	0.190U	0.190U
Carbon tetrachloride	ug/L	0.248U	0.248U	0.248U	0.248U	0.248U	0.248U	0.248U
Chlorobenzene	ug/L	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U	0.083U
Chloroethane	ug/L	0.235U	0.235U	0.235U	0.235U	0.235U	0.235U	0.235U
Chloroform	ug/L	0.155U	0.155U	0.155U	0.155U	0.155U	0.155U	0.155U
Chloromethane	ug/L	0.144U	0.144U	0.144U	0.144U	0.144U	0.144U	0.144U
Cyclohexane	ug/L	0.337U	0.337U	0.337U	0.337U	0.337U	0.337U	0.337U
Dibromochloromethane	ug/L	0.054U	0.054U	0.054U	0.054U	0.054U	0.054U	0.054U
Dichlorodifluoromethane	ug/L	0.145U	0.145U	0.145U	0.145U	0.145U	0.145U	0.145U
Ethylbenzene	ug/L	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U	0.109U
Isopropylbenzene (Cumene)	ug/L	0.130U	0.130U	0.130U	0.130U	0.130U	0.130U	0.130U
Methyl Acetate	ug/L	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U	0.159U
Methylcyclohexane	ug/L	0.143U	0.143U	0.143U	0.143U	0.143U	0.143U	0.143U
Methylene chloride	ug/L	0.149U	0.149U	0.149U	0.149U	0.149U	0.149U	0.149U
Styrene	ug/L	0.089U	0.089U	0.089U	0.089U	0.089U	0.089U	0.089U
Tetrachloroethene	ug/L	9.17	11.1	11.3	11.3	10.1	10.1	6.54
Toluene	ug/L	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U	0.122U
Trichloroethene	ug/L	4.54J	4.36J	4.65J	4.51J	4.41J	4.05J	2.72J
Trichlorofluoromethane	ug/L	0.157U	0.157U	0.157U	0.157U	0.157U	0.157U	0.157U
Trichlorotrifluoroethane	ug/L	0.158U	0.158U	0.158U	0.158U	0.158U	0.158U	0.158U
Vinyl acetate	ug/L	0.151U	0.151U	0.151U	0.151U	0.151U	0.151U	0.151U
Vinyl chloride	ug/L	0.127U	0.127U	0.127U	0.127U	0.127U	0.127U	0.127U
Xylene (total)	ug/L	0.179U	0.179U	0.179U	0.179U	0.179U	0.179U	0.179U
cis-1,2-Dichloroethene	ug/L	1.25J	1.52J	1.66J	1.76J	1.49J	1.39J	0.925J
cis-1,3-Dichloropropene	ug/L	0.124U	0.124U	0.124U	0.124U	0.124U	0.124U	0.124U
m,p-Xylene	ug/L	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U	0.123U
o-Xylene	ug/L	0.055U	0.055U	0.055U	0.055U	0.055U	0.055U	0.055U
tert-Butyl methyl ether (MTBE)	ug/L	0.078U	0.078U	0.078U	0.078U	0.078U	0.078U	0.078U
trans-1,2-Dichloroethene	ug/L	0.077U	0.077U	0.077U	0.077U	0.077U	0.077U	0.077U
trans-1,3-Dichloropropene	ug/L	0.128U	0.128U	0.128U	0.128U	0.128U	0.128U	0.128U

Notes: ug/L - micrograms per liter
u - result below the method detection limi
J - result estimated between method dete

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 1 of 6)

Sample Point	Analyte	9/18/2006	10/2/2006	11/14/2006	1/25/2007	2/28/2007	3/30/2007	4/30/2007	5/30/2007	6/28/2007	7/25/2007	8/23/2007
Point No. 1	PCE	<5	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1-DCE	<5	NS	<5	<5	<5	<5	<5	<3	<5	<3	<5
	cis 1,2-DCE	<5	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5
	TCE	<5	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Methylene Chloride	<5	NS	<5	<5	<5	<5	<5	5.3	<5	<5	<5
Point No. 2	PCE	<5	NS	<5	1.3	<5	NS	NS	NS	NS	NS	NS
	1,1-DCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
	TCE	<5	NS	<5	1.0	<5	NS	NS	NS	NS	NS	NS
Point No. 3	PCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
	1,1-DCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
	TCE	<5	NS	<5	<5	<5	NS	NS	NS	NS	NS	NS
Point No. 4	PCE	<5	NS	6.5	<5	<5	<5	<5	NS	NS	NS	NS
	1,1-DCE	<5	NS	<5	<5	<5	<5	<5	NS	NS	NS	NS
	cis 1,2-DCE	<5	NS	<5	<5	<5	<5	<5	NS	NS	NS	NS
	TCE	<5	NS	<5	<5	<5	<5	<5	NS	NS	NS	NS
Point No. 5	PCE	<5	NS	<5	5.7	5.4	5.6	<5	5.2	<5	5.7	<5
	1,1-DCE	<5	NS	<5	<5	<5	<5	<5	<3	<5	3.1	<5
	cis 1,2-DCE	<5	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5
	TCE	<5	NS	<5	3.8	<5	<5	<5	<5	<5	<5	<5
	Methylene Chloride	<5	NS	<5	<5	<5	<5	<5	5.3	<5	<5	<5
Point No. 6	PCE	<5	5.9	5.8	4.9	<5	<5	<5	<5	<5	<5	<5
	1,1-DCE	<5	7.4	8.2	5.0	<5	6.0	<5	5.5	5.5	4.8	8.2
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	TCE	<5	<5	<5	3.3	<5	<5	<5	<5	<5	<5	<5
	Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	6.0	<5	<5	<5
Point No. 7	PCE	<5	6.0	6.9	5.8	<5	5.7	<5	<5	<5	<5	<5
	1,1-DCE	<5	6.3	8.2	5.4	<5	5.1	<5	4.8	6.0	7.0	8.9
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	TCE	<5	<5	5.3	3.6	<5	<5	<5	<5	<5	<5	<5
	Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Point No. 8	PCE	6.4	13.0	11.0	12.0	7.7	12.0	5.0	6.0	<5	7.0	9.7
	1,1-DCE	<5	5.6	7.7	5.1	<5	5.9	<5	5.2	<5	5.3	7.3
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	TCE	<5	8.0	7.6	7.0	5.7	9.6	<5	<5	<5	<5	5.9
	Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	5.0	<5	<5	<5
Point No. 9	PCE	12.0	19.0	13.0	16.0	9.1	12.0	11.0	9.9	11.0	13.0	17.0
	1,1-DCE	<5	<5	6.7	4.3	<5	<5	<5	3.6	<5	3.0	<5
	cis 1,2-DCE	<5	<5	<5	2.8	<5	<5	<5	<5	<5	<5	<5
	TCE	7.3	13.0	10.0	11.0	6.1	8.9	6.3	6.2	6.9	8.2	11.0

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Sample Point	Analyte	9/18/2006	10/2/2006	11/14/2006	1/25/2007	2/28/2007	3/30/2007	4/30/2007	5/30/2007	6/28/2007	7/25/2007	8/23/2007
Point No. 9.5	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 10	PCE	15.0	19.0	27	14.0	21.0	22.0	14.0	8.9	7.5	19.0	23.0
	1,1-DCE	<5	<5	5.5	3.4	<5	<5	<5	<3	<5	<3	<5
	cis 1,2-DCE	<5	<5	7.4	2.9	5.2	9.3	<5	<5	<5	<5	31.0
	TCE	8.1	14.0	19.0	12.0	14.0	17.0	9.5	5.5	5.2	9.7	16.0
	VC	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	16.0
Point No. 10.5	PCE	NS	NS	NS	NS	NS	17.0	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	5.3	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	13.0	NS	NS	NS	NS	NS
Point No. 11	PCE	NS	37.0	38.0	51.0	34.0	26.0	21.0	16.0	9.5	17.0	29.0
	1,1-DCE	NS	<5	5.3	3.5	<5	<5	<5	<3	<5	<3	<5
	cis 1,2-DCE	NS	8.3	11.0	11.0	8.6	9.1	7.1	7.3	10.0	6.2	17.0
	TCE	NS	23.0	25.0	38.0	25.0	21.0	15.0	11.0	6.2	11.0	22.0
	VC	NS	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Point No. 11.5	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 12	PCE	NS	23.0	37.0	28.0	27.0	26.0	28.0	12.0	13.0	22.0	22.0
	1,1-DCE	NS	<5	5.1	3.3	<5	<5	<5	<3	<5	<3	<5
	cis 1,2-DCE	NS	6.4	11.0	6.7	6.7	8.9	11.0	6.3	9.0	9.0	9.7
	TCE	NS	19.0	26.0	20.0	19.0	20.0	18.0	8.2	8.4	15.0	15.0
Point No. 13	PCE	NS	25.0	38.0	23.0	30.0	28.0	27.0	NS	16.0	35.0	NS
	1,1-DCE	NS	<5	<5	3.0	<5	<5	<5	NS	<5	<3	NS
	cis 1,2-DCE	NS	6.8	11.0	5.8	6.9	9.6	7.9	NS	8.5	6.1	NS
	TCE	NS	20.0	26.0	19.0	20.0	22.0	17.0	NS	10.0	18.0	NS
Point No. 14	PCE	NS	23.0	38.0	26.0	28.0	27.0	NS	13.0	NS	NS	23.0
	1,1-DCE	NS	<5	<5	2.7	<5	9.2	NS	9.2	NS	NS	<5
	cis 1,2-DCE	NS	6.4	11.0	6.4	6.8	<5	NS	6.6	NS	NS	8.9
	TCE	NS	19.0	26.0	20.0	19.0	21.0	NS	9.1	NS	NS	15.0
Point No. 15	PCE	NS	28.0	39.0	26.0	34.0	29.0	22.0	NS	14.0	33.0	NS
	1,1-DCE	NS	<5	<5	2.8	<5	<5	<5	NS	<5	<3	NS
	cis 1,2-DCE	NS	7.4	12.0	6.4	8.0	9.4	7.1	NS	7.1	5.7	NS
	TCE	NS	19.0	27.0	20.0	22.0	21.0	14.0	NS	9.5	17.0	NS
Point No. 16	PCE	NS	24.0	41.0	26.0	34.0	30.0	NS	15.0	NS	NS	17.0
	1,1-DCE	NS	<5	<5	2.7	<5	<5	NS	<3	NS	NS	<5
	cis 1,2-DCE	NS	6.6	11.0	6.5	7.6	11.0	NS	5.3	NS	NS	7.1
	TCE	NS	19.0	26.0	19.0	21.0	23.0	NS	9.3	NS	NS	11.0

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
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Sample Point	Analyte	9/18/2006	10/2/2006	11/14/2006	1/25/2007	2/28/2007	3/30/2007	4/30/2007	5/30/2007	6/28/2007	7/25/2007	8/23/2007
Point No. 17	PCE	NS	NS	NS	NS	NS	NS	30	14.0	12.0	30.0	16.0
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	<3	<5	<3	<5
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	5.8	5.8	7.1	<5	5.6
	TCE	NS	NS	NS	NS	NS	NS	16.0	8.7	7.3	15.0	10.0
Point No. 18	PCE	NS	NS	NS	NS	NS	NS	21.0	14.0	12.0	17.0	17.0
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	<3	<5	<3	<5
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	6.6	5.0	5.3	5.7	<5
	TCE	NS	NS	NS	NS	NS	NS	13.0	8.1	6.7	11.0	9.8
Point No. 19	PCE	NS	NS	NS	NS	NS	NS	20.0	13.0	10.0	17.0	15.0
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	<3	<5	<3	<5
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	5.8	5.1	<5	<5	<5
	TCE	NS	NS	NS	NS	NS	NS	12.0	8.7	6.0	9.4	8.8
Point No. PB	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. RR	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. T1	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 2R	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 2R500	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Source: Peachtree Environmental, Inc.

NOTES:

Results reported in micrograms per liter (ug/L)

Denotes maximum concentration for sampling event

NS - Well not sampled/COC was not analyzed

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 4 of 6)

Sample Point	Analyte	9/27/2007	7/10/2008	11/5/2008	1/14/2009	8/6/2009	4/1/2010	4/19/2012	7/18/2012	3/25/2014	Normalized 3/25/2014 Sampling Results
Point No. 1	PCE	<5	<5	<5	<5	<5	<5	NS	<0.47	<0.193	<0.193
	1,1-DCE	<5	<5	<5	<5	<5	<5	NS	<0.79	<0.208	<0.208
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	NS	<0.31	<0.103	<0.103
	TCE	<5	<5	<5	<5	<5	<5	NS	<0.38	<0.161	<0.161
	Methylene Chloride	<5	<5	<5	<5	<5	<5	NS	<2.3	<0.149	<0.149
Point No. 2	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 3	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 4	PCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 5	PCE	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Methylene Chloride	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS
Point No. 6	PCE	<5	<5	<5	<5	<5	<5	NS	<0.47	4.33	1.44
	1,1-DCE	11.0	<5	7.0	<5	<5	<5	NS	<0.79	<0.208	<0.208
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	NS	<0.31	<0.103	<0.103
	TCE	<5	<5	<5	<5	<5	<5	NS	<0.38	1.55	0.51
	Methylene Chloride	<5	<5	<5	<5	<5	<5	NS	<2.3	<0.149	<0.149
Point No. 7	PCE	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS
	1,1-DCE	6.9	<5	6.6	<5	<5	<5	NS	NS	NS	NS
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS
	TCE	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS
	Methylene Chloride	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS
Point No. 8	PCE	5.5	<5	5.1	<5	<5	5.0	NS	<0.47	NS	NS
	1,1-DCE	6.7	<5	6.1	<5	<5	<5	NS	<0.79	NS	NS
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	NS	<0.31	NS	NS
	TCE	<5	<5	<5	<5	<5	<5	NS	<0.38	NS	NS
	Methylene Chloride	<5	<5	<5	<5	<5	<5	NS	<2.3	NS	NS
Point No. 9	PCE	<5	9.4	12.0	8.4	6.3	7.5	<5	<0.47	7.18	2.38
	1,1-DCE	6.7	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	<5	<0.31	0.726	0.24
	TCE	<5	5.5	7.6	5.7	<5	<5	<5	<0.38	3.44	1.14

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 5 of 6)

Sample Point	Analyte	9/27/2007	7/10/2008	11/5/2008	1/14/2009	8/6/2009	4/1/2010	4/19/2012	7/18/2012	3/25/2014	Normalized 3/25/2014 Sampling Results
Point No. 9.5	PCE	NS	NS	NS	NS	NS	NS	15.0	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	7.7	NS	NS	NS
Point No. 10	PCE	15.0	9.5	15.0	9.0	9.6	9.5	9.6	<0.47	7.38	2.45
	1,1-DCE	<5	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	<5	<5	<5	<5	<5	<5	<5	<0.31	0.896	0.30
	TCE	9.8	5.9	10.0	5.6	6.6	6.5	5.6	<0.38	3.44	1.14
	VC	<2	<2	<2	<2	<2	<2	<2	<0.69	<0.127	<0.127
Point No. 10.5	PCE	NS	NS	NS	NS	NS	NS	14	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	7.0	NS	NS	NS
Point No. 11	PCE	36.0	14.0	22.0	12.0	14.0	12.0	9.8	<0.47	8.24	2.74
	1,1-DCE	<5	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	14.0	<5	5.3	<5	8.0	<5	<5	<0.31	1.19	0.40
	TCE	23.0	8.3	14.0	8.7	8.4	8.3	5.3	<0.38	3.79	1.26
	VC	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<0.69	<0.127	<0.127
Point No. 11.5	PCE	NS	NS	NS	NS	NS	NS	14	NS	NS	NS
	1,1-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	cis 1,2-DCE	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS
	TCE	NS	NS	NS	NS	NS	NS	7.9	NS	NS	NS
Point No. 12	PCE	27.0	24.0	27.0	16.0	20.0	13.0	12.0	<0.47	8.08	2.68
	1,1-DCE	<5	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	10.0	6.3	6.9	<5	9.2	<5	<5	<0.31	1.04	0.35
	TCE	18.0	14.0	18.0	9.8	13.0	8.2	5.9	<0.38	3.96	1.31
Point No. 13	PCE	35.0	NS	NS	NS	NS	13.0	15.0	NS	8.98	2.98
	1,1-DCE	<5	NS	NS	NS	NS	<5	<5	NS	<0.208	<0.208
	cis 1,2-DCE	12.0	NS	NS	NS	NS	<5	<5	NS	1.25	0.42
	TCE	22.0	NS	NS	NS	NS	8.6	7.6	NS	4.22	1.40
Point No. 14	PCE	NS	21.0	17.0	18.0	17.0	14.0	16.0	<0.47	9.73	3.23
	1,1-DCE	NS	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	NS	6.3	5.7	<5	9.6	<5	<5	<0.31	1.25	0.42
	TCE	NS	12.0	13.0	12.0	12.0	9.7	8.0	<0.38	4.37	1.45
Point No. 15	PCE	28.0	NS	NS	NS	NS	NS	15.0	NS	11.1	3.69
	1,1-DCE	<5	NS	NS	NS	NS	NS	<5	NS	<0.208	<0.208
	cis 1,2-DCE	10.0	NS	NS	NS	NS	NS	<5	NS	1.52	0.50
	TCE	19.0	NS	NS	NS	NS	NS	6.9	NS	4.36	1.45
Point No. 16	PCE	NS	23.0	33.0	21.0	18.0	NS	16.0	<0.47	11.30	3.75
	1,1-DCE	NS	<5	<5	<5	<5	NS	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	NS	6.5	7.5	<5	9.4	NS	<5	<0.31	1.66	0.55
	TCE	NS	13.0	20.0	13.0	12.0	NS	6.8	<0.38	4.65	1.54

TABLE 7
Woodall Creek Site
Summary of Detected Historical Stream Sampling Analytical Results
Woodall Creek Site, Atlanta, Fulton County, Georgia
(page 6 of 6)

Sample Point	Analyte	9/27/2007	7/10/2008	11/5/2008	1/14/2009	8/6/2009	4/1/2010	4/19/2012	7/18/2012	3/25/2014	Normalized 3/25/2014 Sampling Results
Point No. 17	PCE	25.0	21.0	29.0	20.0	18.0	13.0	16.0	NS	11.3	3.75
	1,1-DCE	<5	<5	<5	<5	<5	<5	<5	NS	<0.208	<0.208
	cis 1,2-DCE	8.7	6.8	6.4	<5	9.5	<5	<5	NS	1.76	0.58
	TCE	15.0	12.0	19.0	12.0	11.0	8.2	6.7	NS	4.51	1.50
Point No. 18	PCE	22.0	NS	NS	NS	NS	NS	18.0	<0.47	10.1	3.35
	1,1-DCE	<5	NS	NS	NS	NS	NS	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	5.6	NS	NS	NS	NS	NS	5.1	<0.31	1.49	0.49
	TCE	13.0	NS	NS	NS	NS	NS	8.2	<0.38	4.41	1.46
Point No. 19	PCE	18.0	17.0	25.0	17.0	15.0	13.0	13.0	NS	10.1	3.35
	1,1-DCE	<5	<5	<5	<5	<5	<5	<5	NS	<0.208	<0.208
	cis 1,2-DCE	<5	5.4	6.2	<5	8.5	<5	<5	NS	1.39	0.46
	TCE	11.0	10.0	16.0	10.0	10.0	8.6	6.8	NS	4.05	1.34
Point No. PB	PCE	NS	15.0	20.0	16.0	13.0	12.0	12.0	<0.47	6.54	2.17
	1,1-DCE	NS	<5	<5	<5	<5	<5	<5	<0.79	<0.208	<0.208
	cis 1,2-DCE	NS	<5	<5	<5	6.3	<5	<5	<0.31	0.925	0.31
	TCE	NS	8.2	13.0	9.1	8.0	7.1	5.1	<0.38	2.72	0.90
Point No. RR	PCE	NS	11.0	15.0	12.0	8.2	NS	7.7	NS	NS	NS
	1,1-DCE	NS	<5	<5	<5	<5	NS	<5	NS	NS	NS
	cis 1,2-DCE	NS	<5	<5	<5	<5	NS	<5	NS	NS	NS
	TCE	NS	6.3	9.1	7.0	5.3	NS	<5	NS	NS	NS
Point No. T1	PCE	NS	8.9	12.0	9.4	6.6	NS	6.2	NS	NS	NS
	1,1-DCE	NS	<5	<5	<5	<5	NS	<5	NS	NS	NS
	cis 1,2-DCE	NS	<5	<5	<5	<5	NS	<5	NS	NS	NS
	TCE	NS	5.5	7.8	6.1	<5	NS	<5	NS	NS	NS
Point No. 2R	PCE	NS	5.0	6.6	6.7	<5	NS	NS	NS	NS	NS
	1,1-DCE	NS	<5	<5	<5	<5	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	<5	<5	<5	<5	NS	NS	NS	NS	NS
	TCE	NS	<5	<5	<5	<5	NS	NS	NS	NS	NS
Point No. 2R500	PCE	NS	<5	NS	NS	NS	NS	NS	NS	NS	NS
	1,1-DCE	NS	<5	NS	NS	NS	NS	NS	NS	NS	NS
	cis 1,2-DCE	NS	<5	NS	NS	NS	NS	NS	NS	NS	NS
	TCE	NS	<5	NS	NS	NS	NS	NS	NS	NS	NS

Source: Peachtree Environmental, Inc.

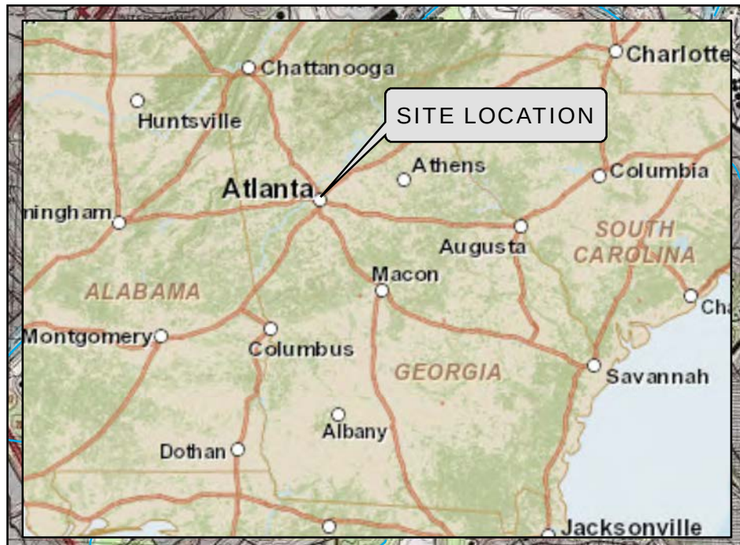
NOTES:

Results reported in micrograms per liter (ug/L)

Denotes maximum concentration for sampling event

NS - Well not sampled/COC was not analyzed

FIGURES



	Southern Metals Finishing Company, LLC 1581 Huber Street, N.W. Atlanta, Georgia 30381-7701	N

FIGURE 1
Woodall Creek Site
Site Location
Atlanta, Fulton County, Georgia

0 150 300 600 900 1,200 1,500 1,800 Meters

0 1,250 2,500 5,000 7,500 10,000 Feet

NOTES:

-Base map aerial imagery obtained through ESRI Online Services

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Drawn: TDN	PROJ: 6122130015



Groundwater Monitoring Well

Surface Water Sample Location

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

FIGURE 3
Woodall Creek Site
Groundwater and Surface Water Sampling Locations

0 12.5 25 50 75 100 125 150 Meters

0 100 200 400 600 800 Feet

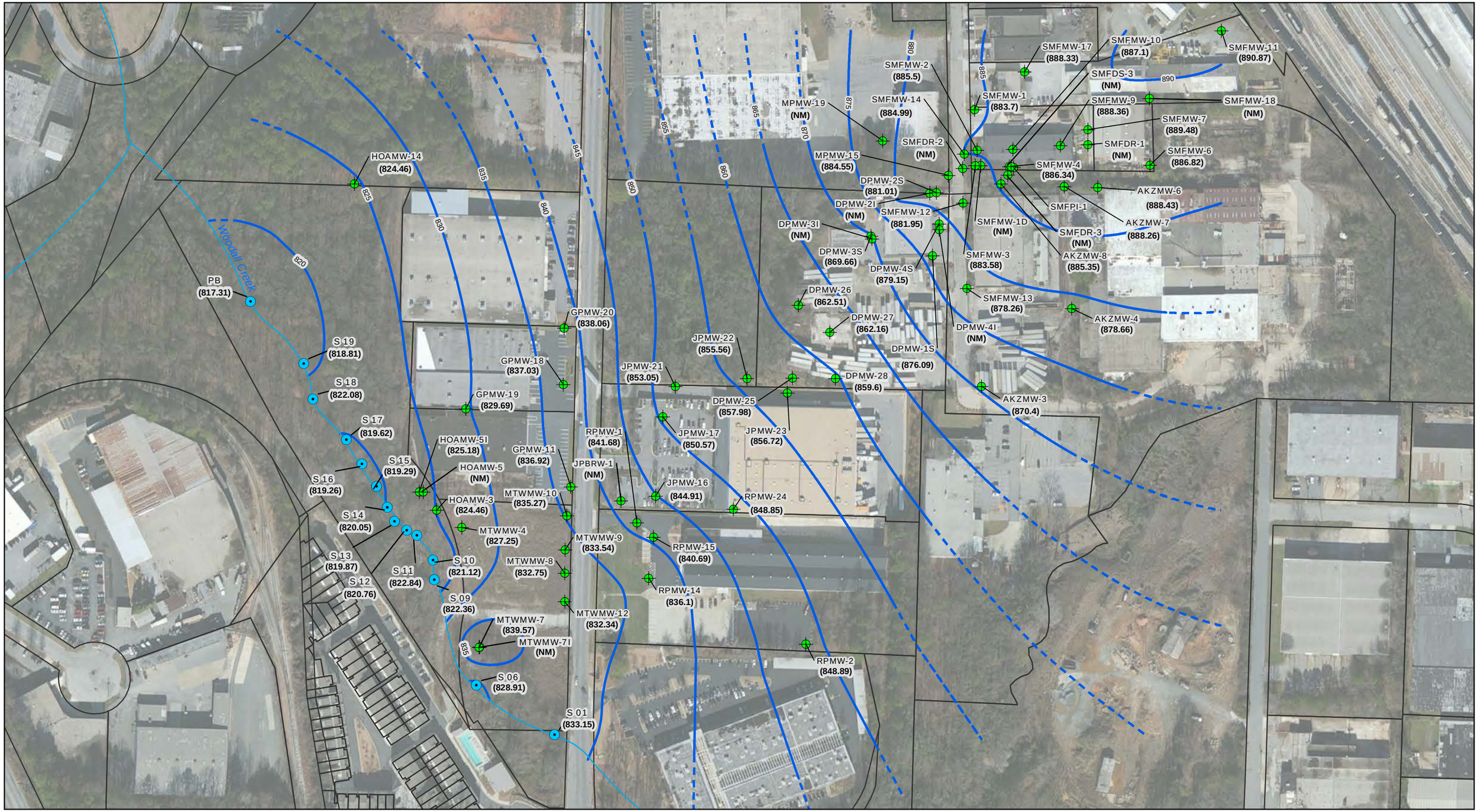
NOTES:

-Base map aerial imagery obtained through ESRI Online Services

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Drawn: TDN

PROJ: 6122130015



- Shallow Groundwater Monitoring Well
- Surface Water Sample Location
  *groundwater elevation measured in feet above mean sea level

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

0 12.5 25 50 75 100 125 150 Meters
0 100 200 400 600 800 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

FIGURE 4
Woodall Creek Site
March 2014 Potentiometric Surface
Shallow Groundwater Bearing Zone

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Drawn: TDN

PROJ: 6122130015



Southern Metals Finishing Company, LLC
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Atlanta, Georgia 30381-7701

N

FIGURE 2
Woodall Creek Site
HSI Site Locations

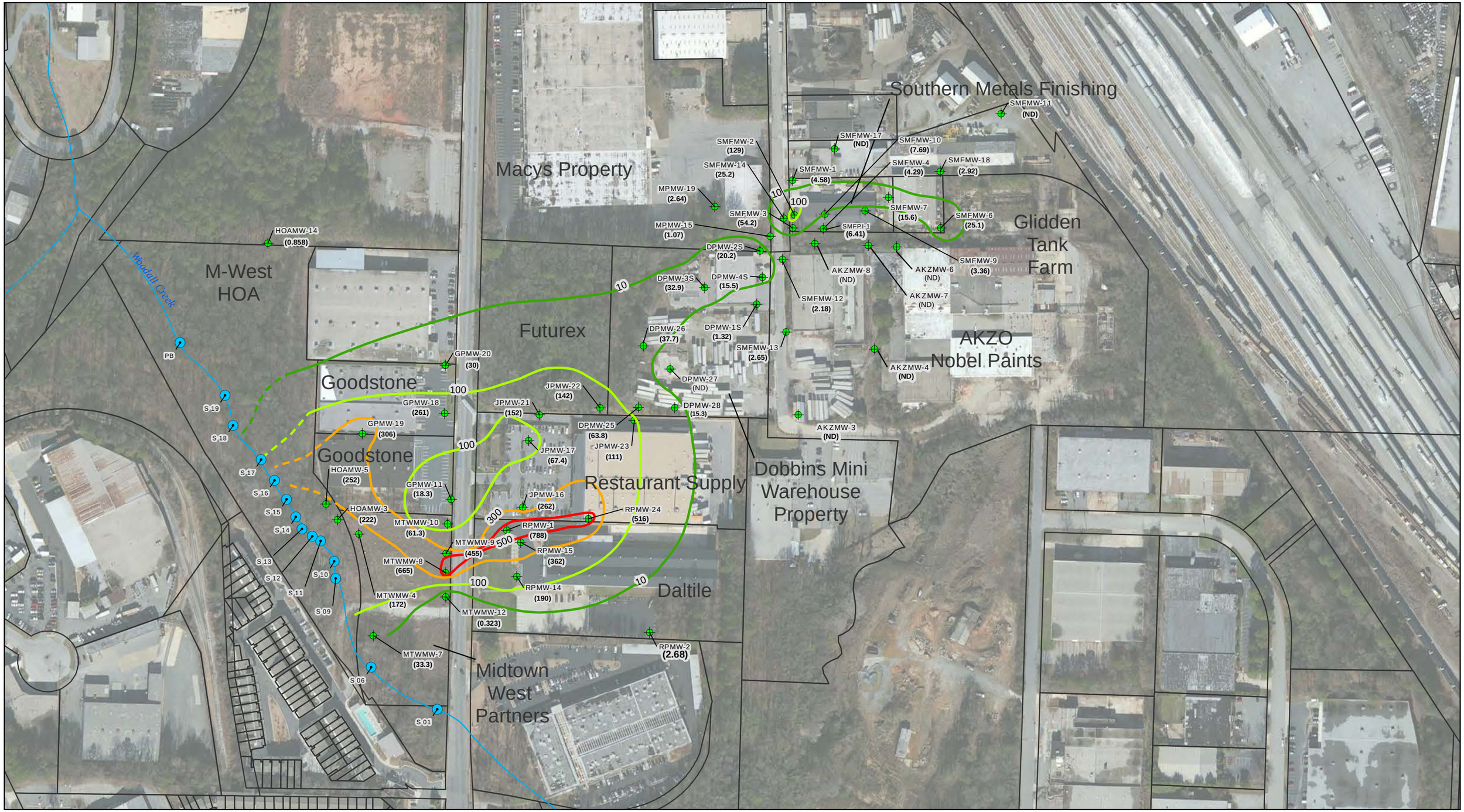
0 12.5 25 50 75 100 125 150 Meters
0 100 200 400 600 800 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

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Drawn: TDN

PROJ: 6122130015



Concentration Contour (ug/L)
- 10
- 100
- 300
- 500

*contour dashed where inferred

- Shallow Groundwater Monitoring Well
- Surface Water Sample Location

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

FIGURE 5
Woodall Creek Site
PCE Isoconcentration Map
Shallow Groundwater Bearing Zone

0 12.5 25 50 75 100 125 150 Meters
0 100 200 400 600 800 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/03/2014
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Drawn: TDN
PROJ: 6122130015



Intermediate Groundwater Monitoring Well
results in micrograms per liter

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

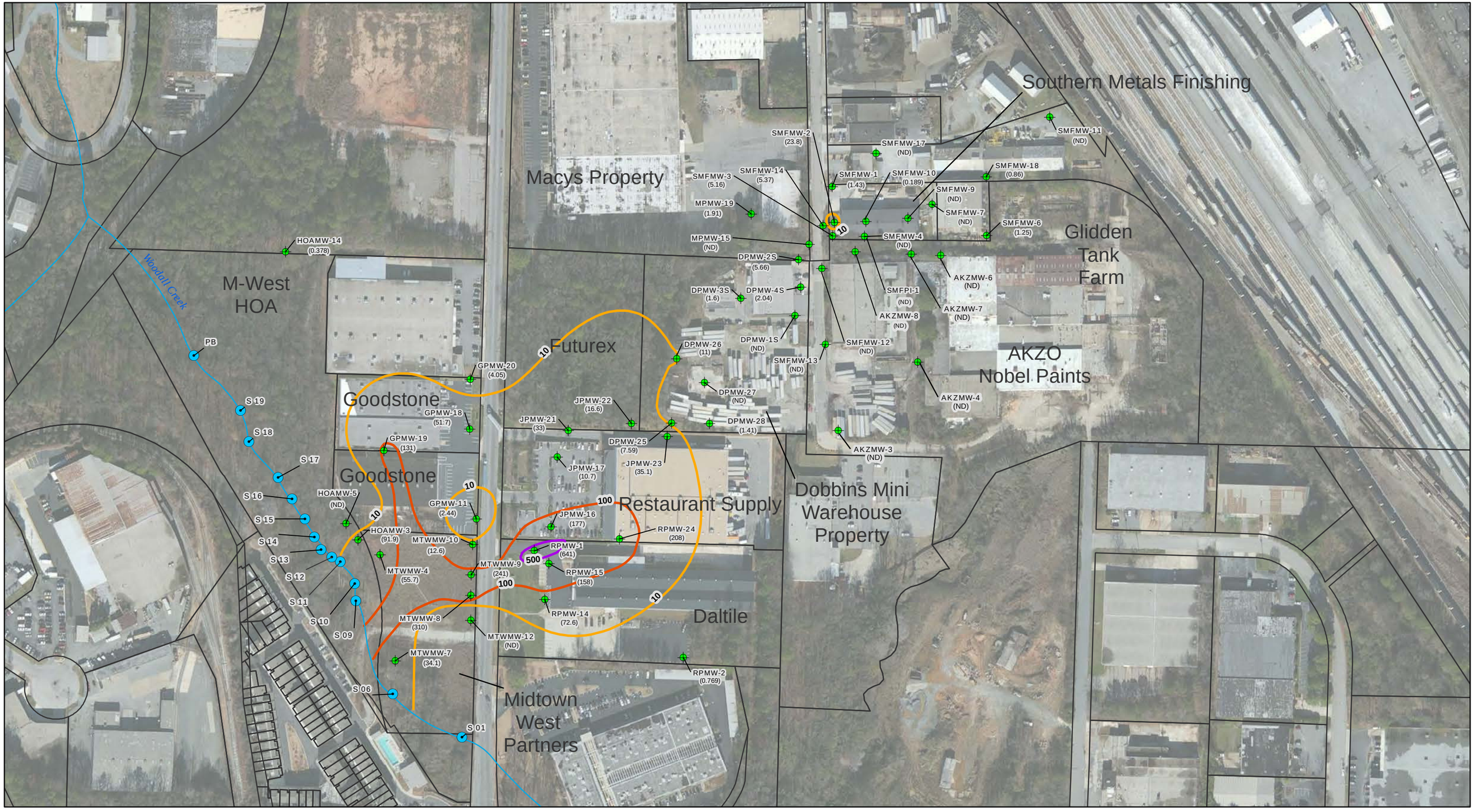
FIGURE 6
Woodall Creek Site
PCE Concentration Map
Intermediate Groundwater Bearing Zone

0 10 20 40 60 80 100 120 Meters
0 87.5 175 350 525 700 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/03/2014 C:\Project\Woodall Creek\mxd\Fig6_PCEInt.mxd

Drawn: TDN PROJ: 6122130015



Concentration Contour (ug/L)
- 10
- 100
- 500

*contour dashed where inferred

- Shallow Groundwater Monitoring Well
- Surface Water Sampling Location

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

0 12.5 25 50 75 100 125 150 Meters

0 112.5 225 450 675 900 Feet

FIGURE 7
Woodall Creek Site
TCE Isoconcentration Map
Shallow Groundwater Bearing Zone

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/03/2014

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Drawn: TDN

PROJ: 6122130015



Intermediate Groundwater Monitoring Well
results in micrograms per liter

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

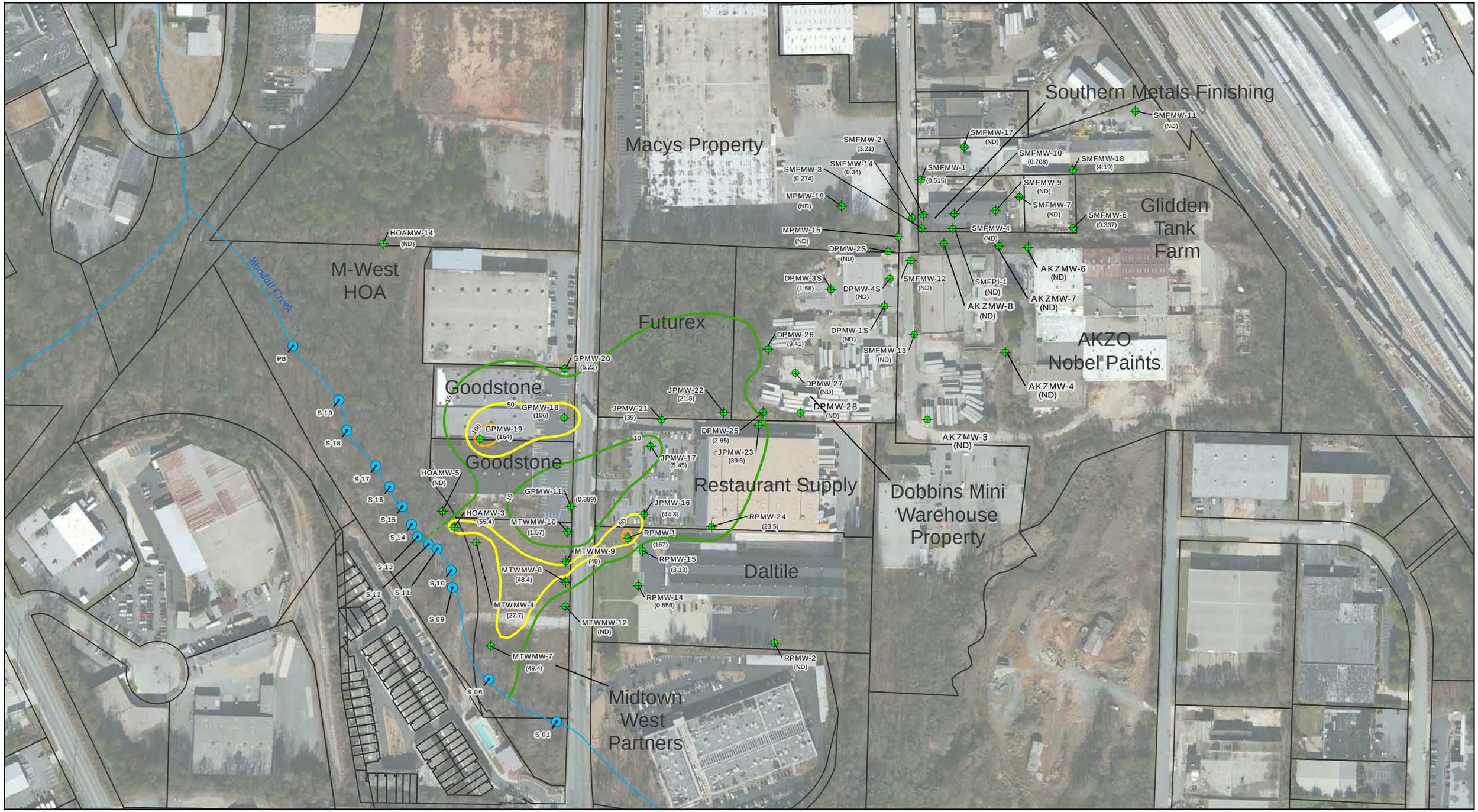
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FIGURE 8
Woodall Creek Site
TCE Concentration Map
Intermediate Groundwater Bearing Zone

0 10 20 40 60 80 100 120 Meters
0 87.5 175 350 525 700 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/03/2014 | C:\Project\Woodall Creek\mxd\Fig8_TCEInt.mxd
Drawn: TDN | PROJ: 6122130015



Concentration Contour (ug/L)
- 10
- 50
- 100

*contour dashed where inferred

- Shallow Groundwater Monitoring Well
- Surface Water Sample Location

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

0 12.5 25 50 75 100 125 150 Meters
0 100 200 400 600 800 Feet

FIGURE 9
Woodall Creek Site
cis-1,2 DCE Isoconcentration Map
Shallow Groundwater Bearing Zone

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/10/2014
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Drawn: TDN
PROJ: 6122130015



Intermediate Groundwater Monitoring Well
results in micrograms per liter

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

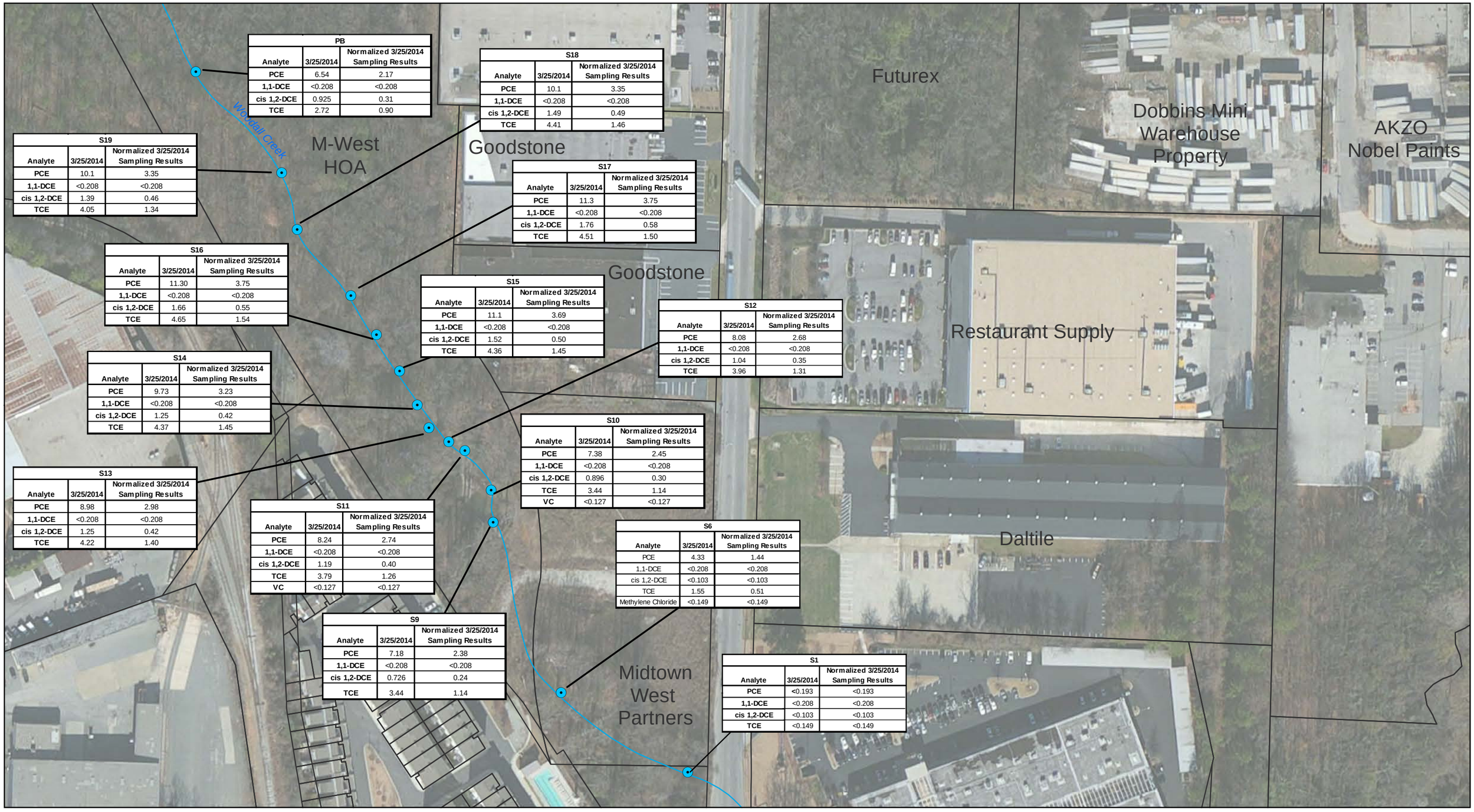
N

0 10 20 40 60 80 100 120 Meters
0 87.5 175 350 525 700 Feet

FIGURE 10
Woodall Creek Site
cis-1,2 DCE Concentration Map
Intermediate Groundwater Bearing Zone

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

06/03/2014
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Drawn: TDN
PROJ: 6122130015



PB		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	6.54	2.17
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	0.925	0.31
TCE	2.72	0.90

S18		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	10.1	3.35
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.49	0.49
TCE	4.41	1.46

S19		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	10.1	3.35
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.39	0.46
TCE	4.05	1.34

S17		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	11.3	3.75
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.76	0.58
TCE	4.51	1.50

S16		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	11.30	3.75
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.66	0.55
TCE	4.65	1.54

S15		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	11.1	3.69
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.52	0.50
TCE	4.36	1.45

S12		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	8.08	2.68
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.04	0.35
TCE	3.96	1.31

S14		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	9.73	3.23
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.25	0.42
TCE	4.37	1.45

S10		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	7.38	2.45
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	0.896	0.30
TCE	3.44	1.14
VC	<0.127	<0.127

S13		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	8.98	2.98
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.25	0.42
TCE	4.22	1.40

S11		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	8.24	2.74
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	1.19	0.40
TCE	3.79	1.26
VC	<0.127	<0.127

S6		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	4.33	1.44
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	<0.103	<0.103
TCE	1.55	0.51
Methylene Chloride	<0.149	<0.149

S9		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	7.18	2.38
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	0.726	0.24
TCE	3.44	1.14

S1		
Analyte	3/25/2014	Normalized 3/25/2014 Sampling Results
PCE	<0.193	<0.193
1,1-DCE	<0.208	<0.208
cis 1,2-DCE	<0.103	<0.103
TCE	<0.149	<0.149

Surface Water Sample Location
*Conentrations in ug/L

Southern Metals Finishing Company, LLC
1581 Huber Street, N.W.
Atlanta, Georgia 30381-7701

N

FIGURE 11
Woodall Creek Site
March 2014 Surfacewater Concentrations

0 7.5 15 30 45 60 75 90 Meters
0 62.5 125 250 375 500 Feet

NOTES:
-Base map aerial imagery obtained through ESRI Online Services

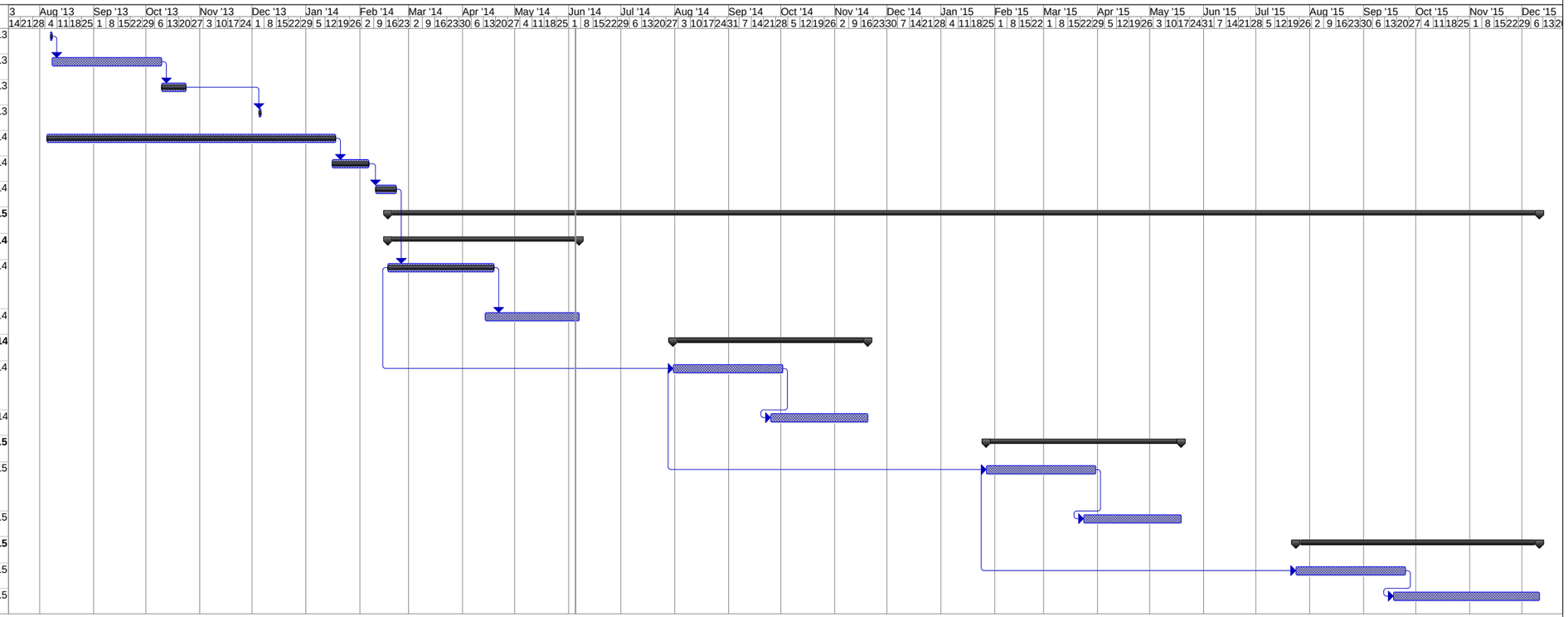
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Drawn: TDN

PROJ: 6122130015

Figure 12
CAP Implementation Schedule

ID	Task Name	Duration	Start	Finish
1	Submit Revised CAP	1 day	Wed 8/7/13	Wed 8/7/13
2	EPD Review	45 days	Thu 8/8/13	Wed 10/9/13
3	Respond to Comments and resubmit	10 days	Thu 10/10/13	Wed 10/23/13
4	CAP Approval	1 day?	Thu 12/5/13	Thu 12/5/13
5	Property/Access Agreements	120 days	Mon 8/5/13	Fri 1/17/14
6	Monitoring Well Survey and Reporting	15 days	Thu 1/16/14	Wed 2/5/14
7	New Well Installation	10 days	Mon 2/10/14	Fri 2/21/14
8	**MNA Sampling and Reporting**	**474 days**	**Mon 2/17/14**	**Thu 12/10/15**
9	**Semiannual Event 1**	**80 days**	**Mon 2/17/14**	**Fri 6/6/14**
10	Baseline Sampling and Analysis (Winter)	45 days	Mon 2/17/14	Fri 4/18/14
11	Summary Progress Report	40 days	Mon 4/14/14	Fri 6/6/14
12	**Semiannual Event 2**	**80 days**	**Thu 7/31/14**	**Wed 11/19/14**
13	MNA Summer Sampling Event	45 days	Thu 7/31/14	Wed 10/1/14
14	Annual Progress Report	40 days	Thu 9/25/14	Wed 11/19/14
15	**Semiannual Event 3**	**80 days**	**Tue 1/27/15**	**Mon 5/18/15**
16	MNA Winter Sampling Event	45 days	Tue 1/27/15	Mon 3/30/15
17	Summary Progress Report	40 days	Tue 3/24/15	Mon 5/18/15
18	**Semiannual Event 4**	**100 days**	**Fri 7/24/15**	**Thu 12/10/15**
19	MNA Summer Sampling Event	45 days	Fri 7/24/15	Thu 9/24/15
20	MNA Summary Report	60 days	Fri 9/18/15	Thu 12/10/15



Project: Figure 12 schedule rev2
Date: Thu 6/5/14

Task	Summary	External Milestone	Inactive Summary	Manual Summary Rollup	Finish-only
Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Progress
Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Deadline

APPENDIX A

Boring Logs

Boring Log

	Project Name: Woodall Creek Site	Boring No.: RPMW-16
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 1 of 2

Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 Hollow Stem Auger (4.25" ID) with 24" stainless steel split spoons. Hand cleared to 5 feet bls. using stainless post-hole digger.	Rock: Hard Refusal at 28 ft bls.
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information: Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	First: Not Encountered
Start Date: February 10, 2014		Completion: Not completed
Completion Date: February 10, 2014		as a monitoring well.

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
					1.0	Asphalt	
						Brown gravelly sandy fill.	
NA		NA			2.0		
					3.0		
					4.0		
					5.0		
1		100		0.8	6.0		
					7.0		
2		100		1	8.0	Tan-orange-brown micaceous sandy silt (Saprolite).	
					9.0		
3		100		0.8	10.0		
					11.0		
4		100		0.9	12.0		
					13.0		
5		100		0.8	14.0		
					15.0		
6		25		0.4	16.0		
					17.0	Partially weatherd gneiss	
7		100		0.8	18.0		
					19.0		
8		50		0	20.0		

SAA = Same as above ppm = parts per million bls = below land surface ■ = indicates interval sample for analysis

PWR = Partially weatherd rock ft = feet/foot

Boring Log

	Project Name: Woodall Creek Site	Boring No.: RPMW-16
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 2 of 2

Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 Hollow Stem Auger (4.25" ID) with 24" stainless steel split spoons. Hand cleared to 5 feet bls. using stainless post-hole digger.	Rock: Hard Refusal at 28 ft bls.
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information: Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	First: Not Encountered
Start Date: February 10, 2014		Completion: Not completed
Completion Date: February 10, 2014		as a monitoring well.

Run	USCS	% Recovery	Analytical Sample Interva	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
8		50		0	21.0		
9		50		0	22.0	Partially weathered gneiss. Dry.	
					23.0		
						Hard refusal at 23 feet. End of Boring.	Offset approximately 25 feet to the North. Encountered refusal at 16 feet.
					24.0		
					25.0		
					26.0		
					27.0		
					28.0		
					29.0		
					30.0		
					31.0		
					32.0		
					33.0		
					34.0		
					35.0		
					36.0		
					37.0		
					38.0		
					39.0		
					40.0		

SAA = Same as above ppm = parts per million bls = below land surface = indicates interval sample for analysis

PWR = Partially weatherd rock ft = feet/foot

Boring Log

	Project Name: Woodall Creek Site	Boring No.: MTWMW-7I
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 1 of 2
Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons, followed by 6.25" ID HSA for outer casing completion. 5.875" OD Air Rotary for screen installation. Hand cleared to 5 feet bls. using	30 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 19 ft bls
Start Date: February 17, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 15.75 bTOC
Completion Date: February 19, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
					1.0	Loamy top soil.	
NA		NA		0	2.0 3.0 4.0 5.0	Gray, tan sandy clay fill. Moist.	
1		100		0.4	6.0 7.0	Gray tan sandy silt. Moist	
2		50		0.2	8.0 9.0		
3		100		0.3	10.0 11.0	Gray micaceous sandy silt (Saprolite). Quartz pebbles. Moist	
4		100		1	12.0 13.0		
5		100		0.8	14.0 15.0		
6		25		1.7	16.0 17.0	Dark grey micaceous sandy silt (Saprolie). Black nodules. Moist.	
7		100		2.1	18.0 19.0	Partially weathered gneiss. Saturated.	
8		50		2.3	20.0		

SAA = Same as above ppm = parts per million bls = below land surface ■ = indicates interval sample for analysis
PWR = Partially weatherd rock ft = feet/foot

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Boring Log

Project Name: Woodall Creek Site		Boring No.: MTWMW-7I
Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318		Sequence No.:
AMEC Project Number:		Page 2 of 2
Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons, followed by 6.25" ID HSA for outer casing completion. 5.875" OD Air Rotary for screen installation. Hand cleared to 5 feet bls, using	30 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 19 ft bls
Start Date: February 17, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 15.75 bTOC
Completion Date: February 19, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
8		50		2.3	21.0		
9		50		4.2	22.0	Partially weathered gneiss. Saturated	
					23.0		End of HSA Boring.
10		NL		NM	24.0		
					25.0		
11		NL		NM	26.0	Air Rotary. Not logged.	
					27.0		
12		NL		NM	28.0		
						Competent Rock at 28 feet. End of Boring.	
					29.0		
					30.0		
					31.0		
					32.0		
					33.0		
					34.0		
					35.0		
					36.0		
					37.0		
					38.0		
					39.0		
					40.0		

SAA = Same as above ppm = parts per million bls = below land surface
PWR = Partially weatherd rock ft = feet/foot NM = Not measured NL = Not logged

Boring Log

	Project Name: Woodall Creek Site	Boring No.: HOAMW-5I
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 1 of 2
Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons, followed by 6.25" ID HSA for outer casing completion. 5.875" OD Air Rotary for screen installation. Hand cleared to 5 feet bls. using	38 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 28 ft bls
Start Date: February 18, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 20.13 bTOC
Completion Date: February 19, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
NA		NA		0	1.0	Loamy top soil.	
					2.0		
					3.0	Gray, tan sandy clay fill. Moist.	
					4.0		
					5.0		
1		100		0.6	6.0		
					7.0	Gray tan sandy silt. Moist	
2		50		0.9	8.0		
					9.0		
3		100		0.2	10.0		
					11.0	Gray micaceous sandy silt (Saprolite). Quartz pebbles. Moist	
4		100		1.2	12.0		
					13.0		
5		100		0.8	14.0		
					15.0		
6		25		0.6	16.0	Dark grey micaceous sandy silt (Saprolie). Black nodules. Moist.	
					17.0		
7		100		0.9	18.0		
					19.0	Partially weathered gneiss. Saturated.	
8		50		0.4	20.0		

SAA = Same as above ppm = parts per million bls = below land surface ■ = indicates interval sample for analysis
PWR = Partially weatherd rock ft = feet/foot

Boring Log

	Project Name: Woodall Creek Site	Boring No.: HOAMW-5I
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 2 of 2

Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons, followed by 6.25" ID HSA for outer casing completion. 5.875" OD Air Rotary for screen installation. Hand cleared to 5 feet bls, using	38 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 28 ft bls
Start Date: February 18, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 20.13 bTOC
Completion Date: February 19, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
8		50		0.2	21.0		
9		50		0	22.0		
					23.0		
10		50		0.5	24.0		
					25.0		
11		50		0.9	26.0		
					27.0	Partially weathered gneiss.	
12		50		1.4	28.0		
					29.0		
13		50		1.4	30.0		
					31.0		
14		50		1.4	32.0		
					33.0		
15					34.0		
					35.0		
16					36.0	Air Rotary. Not logged.	
					37.0		
17					38.0		
					39.0	Competent Rock at 38 feet. End of Boring.	
					40.0		

SAA = Same as above ppm = parts per million bls = below land surface
PWR = Partially weatherd rock ft = feet/foot NM = Not measured NL = Not logged

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Boring Log

	Project Name: Woodall Creek Site	Boring No.: HOAMW-14
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 1 of 2
Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons. Hand cleared to 5 feet bls. using stainless post-hole digger.	41 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 31 ft bls
Start Date: February 18, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 32.9 bTOC
Completion Date: February 19, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
NA		NA		0	1.0 2.0 3.0 4.0 5.0	Orangish red sandy silt. Moist	
1		50		17	6.0 7.0		
2		60		0.9	8.0 9.0	Reddish sandy clay. Moist	
3		60		22	10.0 11.0	Mottled orange and tan sandy silt. Dry.	
4		100		3.3	12.0 13.0		
5		100		9.3	14.0 15.0		
6		100		8.7	16.0 17.0		
7		100		1	18.0 19.0		
8		100		4.4	20.0		

SAA = Same as above ppm = parts per million bls = below land surface ■ = indicates interval sample for analysis

PWR = Partially weatherd rock ft = feet/foot

Boring Log

	Project Name: Woodall Creek Site	HOAMW-14
	Location: 1441 Ellsworth Industrial Blvd, Atlanta, GA 30318	Sequence No.:
	AMEC Project Number:	Page 2 of 2

Logged By: Daniel Morris	Surface Elevation:	Excavation Depths [ft.]
Drilling Subcontractor: Betts Environmental Recovery	Drilling Equipment &/or Method: CME D-120 4.25" ID Hollow Stem Auger for pilot with 24" stainless steel split spoons. Hand cleared to 5 feet bls. using stainless post-hole digger.	41 ft bls
Driller: Jason Allton		Groundwater Depths [ft.]
Laborer: Sam	Miscellaneous Information:	First: 31 ft bls
Start Date: February 17, 2014	Screened soil samples for ambient headspace volatile organic compounds using a RAE Systems PID®.	Completion: 32.9 bTOC
Completion Date: February 17, 2014		

Run	USCS	% Recovery	Analytical Sample Interval	Headspace VOC (ppm)	Depth (ft)	Soil/Rock Description	Notes
8		100		4.4	21.0		
9		100		1.8	22.0		
					23.0		
10		100		2	24.0		
					25.0		
11		50		1.6	26.0	Partially weathered gneiss. Moist.	
					27.0		
12		50		1.7	28.0		
					29.0		
13		50		1.4	30.0		
					31.0		
14		50		1.3	32.0		
					33.0		
15		50		0.6	34.0		
					35.0		
16		50		0.5	36.0	Partially weathered gneiss.Saturated.	
					37.0		
17		50		0.5	38.0		
					39.0		
18		50		0.2	40.0		Competent Rock at 41 feet. End of Boring.

SAA = Same as above ppm = parts per million bls = below land surface
PWR = Partially weatherd rock ft = feet/foot NM = Not measured NL = Not logged

APPENDIX B

Monitoring Well Construction Diagrams

Monitoring Well Construction Form

Project:	Woodall Creek Site	Well Number:	HOAMW-14
Location:	Woodall Creek Site	Site Location:	Woodall Creek Site
Client:	Southern Metals Finishing	Installation Date	1/17/2014
Subcontractor:	Betts Environmental Recovery	Northing:	
Driller:	Jason Allton	Easting:	
Field Representative:	Daniel Morris	Project Number:	

Protective Cover Elevation (ft): Not Surveyed
Top of Casing Elevation (ft): 857.36
Top of Casing Stickup (ft): Not Surveyed

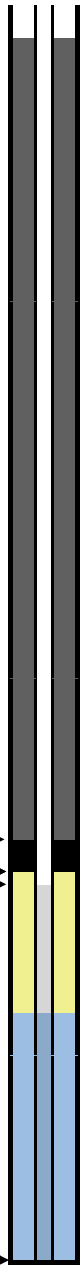
Land Surface Elevation (ft): Not Surveyed

Approximate Diameter of Borehole (in): 8.25"

Well Casing Diameter (in): 2"

Depth to Water (ft): 32.9
During Drilling: 31
Date: 2/17/2014
Post Development: 32.9
Date: 2/17/2014

Top of Bentonite Seal (ft): 21
Bottom of Bentonite Seal (ft): 23
Top of Filter Pack (ft): 23
Top of Screen Interval (ft): 26
Bottom of Screened Interval (ft): 41.0
Bottom of Well (ft): 41
Bottom of Filter Pack (ft): 41



Protective Casing:
Type: Steel Stickup
Dimensions (in): 4" by 4"
Length (ft): 4 feet
Guard Post: None

Surface Pad:
Dimensions: 3ft by 3ft by 4"
Type: NA

Annular Space Seal:
Type: Bentonite-Cement Grout
Installation: Gravity **Tremie** Pumped

Bentonite Seal:
Manufacturer: Enviroplug
Type: **Chips** Slurry
Installation: **6-in lifts** One Section
Gravity Tremie Pumped
Hydration time (hrs): >8 hrs

Filter Pack Material:
Manufacturer: Standard Sand & Silica Co.
Product Name: Sand
Size: #1
Volume Added (ft^3): 7 bags
Installation: **Gravity** Tremie
Surging time:

Well Casing (riser):
Manufacturer: Boart Longyear
Type/Material: Sch 40 PVC
Diameter (in): 2"

Well Screen:
Manufacturer: Boart Longyear
Type/Material: Sch 40 PVC
Slot Size (in): 0.01
Slot Type: Continous **Factory slot**

Sump/End Cap: End Cap

Backfill Material: None

Depths and heights are referenced to ground surface unless specified TOC.
All elevations are referenced to MSL (NAVD 88).

Monitoring Well Construction Form

Project:	Woodall Creek Site	Well Number:	MTWMW-5I
Location:	Woodall Creek Site	Site Location:	Woodall Creek Site
Client:	Southern Metals Finishing	Installation Date	1/17/2014
Subcontractor:	Betts Environmental Recovery	Northing:	
Driller:	Jason Allton	Easting:	
Field Representative:	Daniel Morris	Project Number:	

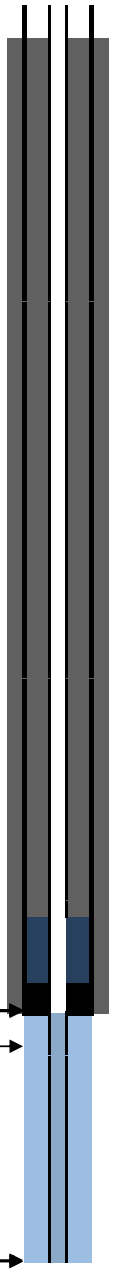
Protective Cover Elevation (ft): Not Surveyed
Top of Casing Elevation (ft): ##
Top of Casing Stickup (ft): NA

Land Surface Elevation (ft): NA

Approximate Diameter
of Borehole (in): 10.25"

Outer Well Casing Diameter (in): 6"
Innerr Well Casing Diameter (in): 2"
Depth to Water (ft): 20.13
During Drilling: 28
Date: 2/18/2014
Post Development: 20.13
Date: 2/18/2014

Bottom of Outer Casing (ft): 33
Bottom of Seal (ft): 33
Top of Filter Pack (ft): 33
Top of Screen Interval (ft): 33
Bottom of Screened Interval (ft): 38.0
Bottom of Well (ft): 38
Bottom of Filter Pack (ft): 38



Depths and heights are referenced to ground surface unless specified TOC.
All elevations are referenced to MSL (NAVD 88).

Protective Casing:
Type: Flush-mount Manhole
Dimensions (in): 8" diameter
Length (ft): 12"
Guard Post: NA

Surface Pad:
Dimensions: 3ft by 3ft by 4"
Type: 8" Diameter Round Manhole

Annular Space Seal:
Type: Bentonite-Cement Grout
Installation: Gravity **Tremie** Pumped

Bentonite Seal:
Manufacturer: Enviroplug
Type: **Chips** Slurry
Installation: **6-in lifts** One Section
Gravity Tremie Pumped
Hydration time (hrs): >8 hrs

Filter Pack Material:
Manufacturer: Standard Sand & Silica Co.
Product Name: Sand
Size: #1
Volume Added (ft^3): 3 bags
Installation: **Gravity** Tremie
Surging time:

Outer Well Casing"
Manufacturer: Boart Longyear
Type/Material: Sch 40 PVC
Diameter (in): 6"

Inner Well Screen:
Manufacturer: Boart Longyear
Type/Material: 2" ID SCH 40 OVC
Slot Size (in): 0.01
Slot Type: Continous **Factory slot**

Sump/End Cap: End Cap

Backfill Material: None

Monitoring Well Construction Form

Project:	Woodall Creek Site	Well Number:	MTWMW-7I
Location:	Woodall Creek Site	Site Location:	Woodall Creek Site
Client:	Southern Metals Finishing	Installation Date	2/17/2014
Subcontractor:	Betts Environmental Recovery	Northing:	
Driller:	Jason Allton	Easting:	
Field Representative:	Daniel Morris	Project Number:	

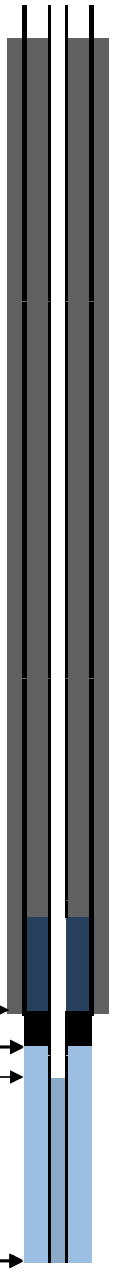
Protective Cover Elevation (ft): Not Surveyed
Top of Casing Elevation (ft): 844.59
Top of Casing Stickup (ft): NA

Land Surface Elevation (ft): NA

Approximate Diameter of Borehole (in): 10.25"

Outer Well Casing Diameter (in): 6"
Innerr Well Casing Diameter (in): 2"
Depth to Water (ft): 15.75
During Drilling: 19
Date: 2/17/2014
Post Development: 15.75
Date: 2/19/2014

Bottom of Outer Casing (ft): 23.0
Bottom of Seal (ft): 24.0
Top of Filter Pack (ft): 24.0
Top of Screen Interval (ft): 25.0
Bottom of Screened Interval (ft): 30.0
Bottom of Well (ft): 30.0
Bottom of Filter Pack (ft): 30.0



Depths and heights are referenced to ground surface unless specified TOC.
All elevations are referenced to MSL (NAVD 88).

Protective Casing:
Type: Flush-mount Manhole
Dimensions (in): 8" diameter
Length (ft): 12"
Guard Post: NA

Surface Pad:
Dimensions: 3ft by 3ft by 4"
Type: 8" Diameter Round Manhole

Annular Space Seal:
Type: Bentonite-Cement Grout
Installation: Gravity **Tremie** Pumped

Bentonite Seal:
Manufacturer: Enviroplug
Type: **Chips** Slurry
Installation: **6-in lifts** One Section
Gravity Tremie Pumped
Hydration time (hrs): >8 hrs

Filter Pack Material:
Manufacturer: Standard Sand & Silica Co.
Product Name: Sand
Size: #1
Volume Added (ft^3): 3 bags
Installation: **Gravity** Tremie
Surging time:

Outer Well Casing"
Manufacturer: Boart Longyear
Type/Material: Sch 40 PVC
Diameter (in): 6"

Inner Well Screen:
Manufacturer: Boart Longyear
Type/Material: 2" ID SCH 40 OVC
Slot Size (in): 0.01
Slot Type: Continous **Factory slot**

Sump/End Cap: End Cap

Backfill Material: None

APPENDIX C

Groundwater Sampling Forms

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: Woodall Creek DATE: 3/12/14

WELL NO. HOA mw-5I WEATHER: rainy cool humid SAMPLE TIME: 1043

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 20.10 ft. WELL DEPTH: NM ft.

LENGTH OF SATURATED ZONE: NA linear ft. ONE WELL VOLUME : NA gals.

THREE WELL VOLUMES = NA gals. ACTUAL VOLUME EVACUATED: 4.00 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: 5 ft from bottom of well ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~ mg/L)	flow rate (ml/min)	~~draw down~~ water level (ft)	COMMENTS Gallons
0920	17.09	6.91	19.8	0.267	245	4.66	200	20.20	—
0930	17.74	8.89	18.3	0.255	162	4.01	200	20.25	.5
0940	17.77	8.90	14.2	0.255	158	3.87	200	20.25	1.00
0950	17.92	6.85	17.5	0.306	161	2.12	200	20.25	1.50
1000	18.01	6.70	14.1	0.304	157	2.66	200	20.25	2.00
1010	18.10	6.46	8.9	0.297	143	2.60	200	20.25	2.50
1020	18.16	6.45	5.3	0.290	135	2.52	200	20.25	3.00
1030	18.20	6.44	5.6	0.287	130	2.49	200	20.25	3.50
1040	18.21	6.44	5.2	0.287	129	2.43	200	20.25	4.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml) 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New + vbiby

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: Woodall Creek DATE: 3/12/14

WELL NO: HOAMW-14 WEATHER: partly cloudy humid SAMPLE TIME: 1400

REMARKS: Turbidity has stabalized at ~70 Ferrous Iron 2.0 mg/L SAMPLER(S): Mark H

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 32.88 ft. WELL DEPTH: NM ft.

LENGTH OF SATURATED ZONE: NA linear ft. ONE WELL VOLUME : NA gals.

THREE WELL VOLUMES = NA gals. ACTUAL VOLUME EVACUATED: 4.00 gals.

PURGE METHOD: Submersible pump DEPTH OF PUMP INTAKE: ~5 ft ft from bottom of well

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	~~draw down~~ water level (ft)	COMMENTS Gallons
1238	17.96	5.38	626	0.111	246	6.71	200	33.20	—
1248	18.25	5.40	245	0.111	248	4.24	200	33.20	.5
1258	18.96	5.35	236	0.115	250	4.18	200	33.20	1.00
1308	19.56	5.34	183	0.116	244	4.00	200	33.20	1.50
1318	19.53	5.30	116	0.115	254	3.48	200	33.20	2.00
1328	19.53	5.24	106	0.115	254	3.40	200	33.21	2.50
1338	18.50	5.25	70.0	0.113	260	3.45	200	33.21	3.00
1348	18.35	5.25	73.3	0.113	251	3.40	200	33.21	3.50
1358	18.61	5.26	71.3	0.116	250	3.44	200	33.21	4.00

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml), 2 methane/ethane/ethene (40ml), 2 TOC (40ml).

SAMPLE ID NUMBER(s):

DECON METHOD: New Tubing & decon pump with soap (Liquinox) and rinse with DI water

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/11/14

WELL NO. MTWMW-08 WEATHER: Sunny mid 70's SAMPLE TIME: 1153

REMARKS: MS/MSD taken at this location. ferrous iron = 0 SAMPLER(S): Mark A.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.16 ft. WELL DEPTH: 40 ft.

LENGTH OF SATURATED ZONE: 25.84 linear ft. ONE WELL VOLUME : 4.13 gals.

THREE WELL VOLUMES = 12.40 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~27 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	~~draw~~ down level (ft)	COMMENTS Gallons
1100	23.42	5.45	9.1	0.156	240	1.28	200	14.25	—
1110	22.90	5.44	8.8	0.158	243	1.29	200	14.29	.5
1120	22.22	5.43	9.1	0.159	250	1.31	200	14.30	1.00
1130	22.23	5.42	7.2	0.162	262	1.18	200	14.30	1.50
1140	22.11	5.41	5.3	0.164	263	1.13	200	14.30	2.00
1145	22.05	5.41	4.6	0.164	264	1.15	200	14.30	2.25
1150	21.69	5.41	4.8	0.165	264	1.13	200	14.31	2.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:
including MS/MSD & sample
3 Chloride/Sulfate/Nitrate (500ml), 3 Sulfide (500ml), 9 VOCs (40ml)
6 methane/ethane/ethene (40ml), 6 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/11/14

WELL NO. MTWMW-9 WEATHER: Sunny warm SAMPLE TIME: 0953

REMARKS: Dup-1 taken at this location, Ferrous Iron = 0 SAMPLER(S): Mark A.

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.91 ft. WELL DEPTH: 35.5 ft.

LENGTH OF SATURATED ZONE: 20.59 linear ft. ONE WELL VOLUME : 3.29 gals.

THREE WELL VOLUMES = 9.88 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~ mg/L)	flow rate (ml/min)	~~draw~~ water down level (ft)	COMMENTS Gallons
0900	15.93	5.86	1.4	0.238	183	3.44	200	15.05	—
0910	16.74	5.84	1.0	0.227	205	2.94	200	15.05	.5
0920	17.07	5.83	1.1	0.224	210	2.89	200	15.05	1.00
0930	17.83	5.78	0.9	0.219	226	2.58	200	15.05	1.50
0940	18.00	5.78	0.9	0.218	227	2.58	200	15.05	2.00
0945	18.35	5.77	0.9	0.216	231	2.56	200	15.05	2.25
0950	18.43	5.77	1.1	0.215	232	2.57	200	15.05	2.50

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

includes Sample & Duplicate

2 chloride/sulfate/nitrate (500ml), 2 sulfide (500ml), 6 VOCs (40ml), 4 methane/ethane/ethene (40ml), 4 TOC (40ml)

SAMPLE ID NUMBER(s):

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/10/14

WELL NO. GPMW-19 WEATHER: Sunny Cool SAMPLE TIME: 1418

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark A.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 12.16 ft. WELL DEPTH: 36.5 ft.

LENGTH OF SATURATED ZONE: 24.34 linear ft. ONE WELL VOLUME : 3.89 gals.

THREE WELL VOLUMES = 11.68 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~24 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	~~draw down~~ water level (ft)	COMMENTS Gallons
1325	21.56	6.05	33.4	0.225	181	3.27	200	12.41	—
1335	21.10	6.02	25.1	0.224	162	1.88	200	12.43	.5 gal
1345	21.20	5.98	17.9	0.223	148	0.90	200	12.43	1.00 gal
1355	21.20	5.96	15.4	0.222	147	0.78	200	12.43	1.50 gal
1405	21.20	5.95	12.2	0.221	146	0.55	200	12.43	2.00 gal
1410	21.38	5.95	10.2	0.221	146	0.60	200	12.43	2.25 gal
1415	21.44	5.94	9.8	0.221	146	0.62	200	12.43	2.50 gal

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 Chloride/sulfate/nitrate (500ml), 1 Sulfide (500ml), 3 VOCs (40ml), 2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/10/14

WELL NO. GPMW-11 WEATHER: sunny cool SAMPLE TIME: 1257

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark A.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 10.94 ft. WELL DEPTH: 39 ft.

LENGTH OF SATURATED ZONE: 28.06 linear ft. ONE WELL VOLUME : 4.49 gals.

THREE WELL VOLUMES = 13.47 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic PUMP DEPTH OF PUMP INTAKE: ~26 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/l	flow rate (ml/min)	Water ~~draw~~ down (ft)	COMMENTS Gallons
1205	22.01	5.60	0.6	0.182	208	6.29	200	11.25	—
1215	21.96	5.59	0.4	0.183	215	4.32	200	11.25	.5
1225	21.76	5.56	1.1	0.183	220	3.14	200	11.25	1.00
1235	21.87	5.56	1.8	0.183	224	3.02	200	11.25	1.50
1240	21.62	5.55	1.7	0.184	223	3.12	200	11.25	1.75
1245	21.32	5.54	1.9	0.185	227	3.20	200	11.25	2.00
1250	21.30	5.54	1.2	0.185	231	3.25	200	11.25	2.25
1255	21.34	5.54	1.5	0.185	233	3.32	200	11.25	2.50

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml), 2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s):

DECON METHOD: New tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: 3/10/14 TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall creek DATE: 3/10/14

WELL NO. GPMW-18 WEATHER: sunny cool SAMPLE TIME: 1133

REMARKS: Ferrous Iron = 0 mg/l SAMPLER(S): Mark A.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 9.45 ft. WELL DEPTH: 40 ft.

LENGTH OF SATURATED ZONE: 30.55 linear ft. ONE WELL VOLUME : 4.89 gals.

THREE WELL VOLUMES = 14.66 gals. ACTUAL VOLUME EVACUATED: 2.00 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/l	flow rate (ml/min)	~~draw~~ down (ft)	COMMENTS Gallons
1050	18.30	6.16	7.4	0.258	194	2.47	200	water level 9.59	—
1100	18.87	5.97	5.8	0.220	198	1.90	200	9.59	.5 gal
1110	18.79	5.94	5.6	0.220	200	1.75	200	"	1 gal
1120	19.06	5.93	4.7	0.220	202	1.70	200	"	1.5 gal
1125	19.55	5.93	3.9	0.220	202	1.78	200	"	1.75 gal
1130	19.73	5.94	3.5	0.218	201	1.69	200	"	2.00 gal

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 3 VOCs (40ml), 2 methanol/ethanol/ether (40ml) 2 TOC (40ml), 1 sulfide (500ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: new tubing

PURGE WATER MANAGEMENT: drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3/10/14 TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/10/14

WELL NO. GPMW-20 WEATHER: clear cool SAMPLE TIME: 0957

REMARKS: Ferrous Iron = 0 mg/l SAMPLER(S): Mark Andrews

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.19 ft. WELL DEPTH: 40 ft.

LENGTH OF SATURATED ZONE: 29.81 linear ft. ONE WELL VOLUME : 4.77 gals.

THREE WELL VOLUMES = 14.31 gals. ACTUAL VOLUME EVACUATED: 2.25 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS Gallons
0910	16.52	6.03	15.9	0.269	261	3.12	200	Water level 10.25	—
0920	16.80	6.08	12.0	0.257	226	2.49	200	10.25	.5 gal
0930	17.10	6.07	6.1	0.256	211	2.09	200	10.25	1 gal
0940	17.13	6.07	5.2	0.256	209	2.06	200	10.25	1.5 gal
0945	17.19	6.07	5.00	0.256	206	2.04	200	10.25	1.75 gal
0950	17.25	6.08	4.9	0.257	205	2.03	200	10.25	2.00 gal
0955	17.24	6.07	4.7	0.257	204	2.00	200	10.25	2.25 gal

SAMPLE WITHDRAWL METHOD: Peristaltic Pump

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/Nitrate (500ml), 3 VOC (40ml), 2 methane/ethane/ethene (40ml)
2 TOC (40ml), 1 sulfide (500ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New tubing every well

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: Woodall Creek DATE: 3/11/14

WELL NO. MTW mw-12 WEATHER: Sunny warm SAMPLE TIME: 1413

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark H

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.32 ft. WELL DEPTH: 38 ft.

LENGTH OF SATURATED ZONE: 24.68 linear ft. ONE WELL VOLUME : 3.95 gals.

THREE WELL VOLUMES = 11.84 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	~~draw water down~~ level (ft)	COMMENTS Gallons
1310	27.31	6.25	36.2	0.296	200	1.14	250	13.61	—
1320	25.16	6.14	19.5	0.310	195	0.54	200	13.41	.5
1330	23.01	6.12	5.3	0.318	181	0.37	200	13.41	1.00
1340	23.02	6.12	5.5	0.315	173	0.34	200	13.41	1.50
1350	22.17	6.10	4.7	0.318	160	0.32	200	13.41	2.00
1400	22.24	6.11	5.3	0.313	152	0.30	200	13.41	2.50
1410	21.80	6.11	3.8	0.308	145	0.27	200	13.41	3.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)
2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Camps DATE: 3/13/14

WELL NO. AK2MW-7 WEATHER: Sunny/clear cold SAMPLE TIME: 1338

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2" in. STATIC WATER LEVEL: 10.01 ft. WELL DEPTH: 23 ft.

LENGTH OF SATURATED ZONE: 12.99 linear ft. ONE WELL VOLUME : 2.07 gals.

THREE WELL VOLUMES = 6.23 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: ~18 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~ mg/L)	flow rate (ml/min)	draw down (ft)	COMMENTS Gallons
1235	15.06	6.39	12.6	0.274	24	1.20	200	10.40	—
1245	15.09	6.28	2.6	0.261	42	0.77	200	10.41	.5
1255	15.01	6.21	1.4	0.244	33	0.72	200	10.41	1.00
1305	15.00	6.10	0.1	0.231	33	0.57	200	10.41	1.50
1315	15.03	6.14	0.5	0.220	21	0.55	200	10.41	2.00
1325	15.06	6.13	0.0	0.214	15	0.48	200	10.41	2.50
1335	15.10	6.13	0.0	0.210	8	0.48	200	10.41	3.00

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 ~~VOCs~~ (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s):

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on Site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/13/14

WELL NO. AK2 MW-8 WEATHER: Sunny clear cold SAMPLE TIME: 1158

REMARKS: Ferrous Iron = 1.0 mg/L SAMPLER(S): Mark A.

WELL PURGING: WELL DIAMETER: 2" in. STATIC WATER LEVEL: 9.95 ft. WELL DEPTH: 23 ft.

LENGTH OF SATURATED ZONE: 13.05 linear ft. ONE WELL VOLUME : 2.088 gals.

THREE WELL VOLUMES = 6.26 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~18 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS Gallons
1055	12.97	6.38	15.5	0.162	51	3.55	200	10.21	—
1105	13.39	6.33	8.3	0.167	16	1.30	200	10.21	.5
1115	13.93	6.27	5.7	0.158	-17	0.67	200	10.21	1.00
1125	13.53	6.25	2.9	0.151	-26	0.63	200	10.21	1.50
1135	14.20	6.16	2.3	0.147	-32	0.49	200	10.21	2.00
1145	14.85	6.15	2.2	0.145	-36	0.45	200	10.21	2.50
1155	14.86	6.15	1.9	0.144	-41	0.48	200	10.21	3.00

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 Chloride/Sulfate/Nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml), 2 ammo/ammo/ammo (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s):

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodyll Creek DATE: 3/13/14

WELL NO. SMFMW-12 WEATHER: Sunny Clear Cold SAMPLE TIME: 0953

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark H

WELL PURGING: WELL DIAMETER: 2" in. STATIC WATER LEVEL: 12.81 ft. WELL DEPTH: 20.5 ft.

LENGTH OF SATURATED ZONE: 7.69 linear ft. ONE WELL VOLUME : 1.23 gals.

THREE WELL VOLUMES = 3.69 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~15 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	draw in/out down (ft)	COMMENTS Gallons
0900	2.37	6.30	4.8	0.166	155	10.73	200	12.90	—
0910	11.97	6.17	2.0	0.158	181	7.37	200	12.95	.5
0920	14.07	6.14	1.2	0.149	188	7.04	200	12.95	1.00
0930	15.00	6.07	0.0	0.141	195	6.66	200	12.95	1.50
0940	15.12	6.06	0.0	0.138	197	6.60	200	12.95	2.00
0950	15.33	6.05	0.0	0.134	201	6.54	200	12.95	2.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 aniones/cations/ethane (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on Site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/14/14

WELL NO. 0SMFMR-2 WEATHER: Sunny clear cool SAMPLE TIME: 1223

REMARKS: ferrous IRON = 0 mg/L SAMPLER(S): Mark A

Note: Pump will not maintain a steady flow less than 150ml, slowest speed you can run pump.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.22 ft. WELL DEPTH: 40.92 ft.

LENGTH OF SATURATED ZONE: 29.7 linear ft. ONE WELL VOLUME : 4.75 gals. ~~MHA~~ ~1.75

THREE WELL VOLUMES = 14.27 gals. ACTUAL VOLUME EVACUATED: ~~2~~ gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~ mg/L)	flow rate (ml/min)	drawdown (feet)	COMMENTS Gallons
1120 ~~17.04~~	17.04	5.80	13.3	0.282	225	3.00	200	12.28	—
1130	17.07	5.76	13.2	0.282	230	2.73	200	12.80	~.5
1140	17.02	5.76	7.7	0.280	238	2.18	~150	13.00	~.75
1150	17.01	5.73	6.9	0.278	243	2.00	150	13.35	~1.00
1200	17.11	5.76	16.9	0.278	247	1.79	150	13.81	~1.25
1210	17.16	5.75	17.3	0.278	248	1.77	150	14.00	~1.50
1220	17.24	5.75	16.8	0.278	249	1.73	150	14.10	~1.75

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethene/ethane (40ml), 2 TOC (40ml.)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on Site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodhill creek DATE: 3/14/14

WELL NO. MPMW-15 WEATHER: Sunny clear cold SAMPLE TIME: 0925

REMARKS: Ferrous Iron = 0 mg/L MS/MSD taken SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.55 ft. WELL DEPTH: 18.1 ft.

LENGTH OF SATURATED ZONE: 6.55 linear ft. ONE WELL VOLUME : 1.048 gals.

THREE WELL VOLUMES = 3.144 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~13 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS Gallons
0833	7.90	6.43	3.1	0.252	182	11.47	200	11.61	—
0843	11.82	6.30	3.7	0.240	171	3.79	200	11.60	0.5
0853	11.42	6.31	1.9	0.242	169	3.37	200	11.61	1.00
0903	11.55	6.26	0.9	0.240	167	3.14	200	11.61	1.50
0913	11.71	6.25	0.1	0.241	167	3.10	200	11.61	2.00
0923	12.02	6.25	0.0	0.243	167	3.05	200	11.61	2.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (60ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall creek DATE: 3/18/14

WELL NO. SMF MW-1D WEATHER: cloudy rainy cold SAMPLE TIME: 1212

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.40 ft. WELL DEPTH: 96.5 ft.

LENGTH OF SATURATED ZONE: 80.1 linear ft. ONE WELL VOLUME : 12.81 gals.

THREE WELL VOLUMES = 38.45 gals. ACTUAL VOLUME EVACUATED: 2.50 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~88 ft Canteen tubing post Hurr88ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw water down (ft)	COMMENTS Gallons
1120	14.45	6.08	0.0	0.264	282	3.95	200	16.43	—
1130	14.49	6.08	0.0	0.262	261	3.81	200	16.44	.5
1140	15.29	6.08	0.0	0.260	253	3.65	200	16.44	1.00
1150	14.86	6.07	0.0	0.260	244	3.62	200	16.44	1.50
1200	14.90	6.07	0.0	0.261	240	3.64	200	16.44	2.00
1210	15.13	6.07	0.0	0.260	238	3.59	200	16.44	2.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/18/14

WELL NO. SMF MW-4 WEATHER: cloudy rainy cold SAMPLE TIME: 1348

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): ____

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.32 ft. WELL DEPTH: 24 ft.

LENGTH OF SATURATED ZONE: 10.68 linear ft. ONE WELL VOLUME : 1.71 gals.

THREE WELL VOLUMES = 5.12 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: Peristaltic pump DEPTH OF PUMP INTAKE: ~16.5 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~) mg/L	flow rate (ml/min)	draw water down level (ft)	COMMENTS Gallons
1245	12.35	6.22	10.3	0.280	204	2.01	200	13.41	—
1255	14.23	5.89	0.7	0.264	178	1.24	200	13.45	.5
1305	14.43	5.82	0.0	0.247	133	1.05	200	13.45	1.00
1315	14.39	5.79	0.0	0.242	116	1.05	200	13.45	1.50
1325	14.38	5.76	0.0	0.235	105	1.04	200	13.45	2.00
1335	14.42	5.76	0.0	0.227	101	1.04	200	13.45	2.50
1345	14.46	5.75	0.0	0.220	98	1.04	200	13.45	3.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/18/14

WELL NO. SMFMW-3 WEATHER: Cloudy rainy cold SAMPLE TIME: 1055

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.59 ft. WELL DEPTH: 26 ft.

LENGTH OF SATURATED ZONE: 11.41 linear ft. ONE WELL VOLUME : 1.82 gals.

THREE WELL VOLUMES = 5.47 gals. ACTUAL VOLUME EVACUATED: 3.50 gals.

PURGE METHOD: peristaltic Pump DEPTH OF PUMP INTAKE: ~18.5 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~) mg/L	flow rate (ml/min)	draw ~~down~~ water level (ft)	COMMENTS Gallons
0940	12.97	4.35	5.8	0.347	341	4.55	200	14.70	—
0950	13.89	4.37	2.0	0.299	355	4.22	200	14.70	.5
1000	14.33	4.36	0.6	0.286	369	3.63	200	14.70	1.00
1010	14.59	4.37	0.2	0.283	374	6.69	200	14.70	1.50
1020	14.02	4.20	0.0	0.284	383	6.68	200	14.70	2.00
1030	13.51	4.37	0.6	0.282	370	6.25	200	14.70	2.50
1040	14.19	4.38	0.4	0.280	374	6.20	200	14.70	3.00
1050	14.36	4.38	0.3	0.279	375	6.18	200	14.70	3.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml)

3 VOCs (40ml), 2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New tubing

PURGE WATER MANAGEMENT: Drum on Site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/19/14

WELL NO. SMFDS-3 WEATHER: rainy cloudy cold SAMPLE TIME: 1415

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark H

Note: Purging well at 150 ml/min the minimum purge rate to maintain a stable flow rate

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.40 ft. WELL DEPTH: 37.5 ft.

LENGTH OF SATURATED ZONE: 24.1 linear ft. ONE WELL VOLUME : 3.86 gals.

THREE WELL VOLUMES = 11.56 gals. ACTUAL VOLUME EVACUATED: ~1.75 gals.

PURGE METHOD: Peristaltic Pump DEPTH OF PUMP INTAKE: ~35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw down water level (ft)	COMMENTS Gallons
1311									
~~14.76~~	14.76	5.88	0.0	0.353	246	6.37	200	14.01	—
1321	16.46	5.77	0.0	0.350	270	6.03	150	14.41	~.5
1331	16.29	5.71	0.0	0.349	275	4.94	150	14.40	~.75
1341	16.57	5.67	0.0	0.352	279	4.21	150	14.40	~1.00
1351	16.87	5.63	0.0	0.355	281	3.84	150	14.40	~1.25
1401	16.85	5.62	0.0	0.356	281	3.80	150	14.40	~1.50
1411	16.76	5.61	0.0	0.356	284	3.77	150	14.40	~1.75

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml)

3 VOCs (40ml), 2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ~~Rdup~~

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/19/14

WELL NO. SMFPI-1 WEATHER: cloudy rainy cold SAMPLE TIME: 1203

REMARKS: ferrous Iron = 0mg/L DUP-5 taken at this location SAMPLER(S): [illegible]

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.20 ft. WELL DEPTH: 35 ft.

LENGTH OF SATURATED ZONE: 21.8 linear ft. ONE WELL VOLUME : 3.488 gals.

THREE WELL VOLUMES = 10.46 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: ~30 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (~~ppm~~ mg/L)	flow rate (ml/min)	~~draw~~ water down (ft)	COMMENTS Gallons
1100	13.40	5.70	1.5	0.403	246	4.97	200	13.25	—
1110	13.87	5.57	4.2	0.396	257	4.45	200	13.27	.5
1120	13.84	5.56	5.2	0.392	258	4.36	200	13.27	1.00
1130	13.81	5.54	4.3	0.392	258	4.43	200	13.27	1.50
1140	13.98	5.53	3.1	0.386	258	4.41	200	13.27	2.00
1150	13.99	5.54	3.6	0.385	259	4.40	200	13.27	2.50
1200	14.09	5.54	4.1	0.379	259	4.35	200	13.27	3.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 Chloride/sulfate/nitrate (500ml), 1 sulfide (500ml)

2 methane/ethane/ethene (40ml), 3 VOCs (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/19/14

WELL NO. SMFDR-3 WEATHER: Cloudy rainy cold SAMPLE TIME: 1023

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark A

Note: 150 ml/min is slowest ~~speed~~ pump will run to have a steady flow rate.

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 3.61 ft. WELL DEPTH: 53.5 ft.

LENGTH OF SATURATED ZONE: 39.99 linear ft. ONE WELL VOLUME : 6.39 gals.

THREE WELL VOLUMES = 19.19 gals. ACTUAL VOLUME EVACUATED: ~1.75 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: ~48 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	~~draw~~ water down (ft)	COMMENTS Gallons
0920	12.07	6.21	0.7	0.373	214	10.63	200	14.00	—
0930	13.33	6.21	0.3	0.360	241	7.92	~~200~~ 150	14.98	~.5
0940	13.63	6.19	0.3	0.356	249	7.40	150	15.25	~0.75
0950	14.42	6.15	0.4	0.351	264	6.38	150	15.81	~1.00
1000	14.36	6.14	0.4	0.357	265	6.51	150	16.10	~1.25
1010	14.32	6.13	0.0	0.351	266	6.45	150	16.53	~1.50
1020	14.28	6.14	0.5	0.351	265	6.42	150	16.94	~1.75

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)
2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Woodall Creek DATE: 3/20/14

WELL NO: SMFMW-7 WEATHER: sunny few clouds cool SAMPLE TIME: 1043

REMARKS: Ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.98 ft. WELL DEPTH: 26 ft.

LENGTH OF SATURATED ZONE: 9.02 linear ft. ONE WELL VOLUME : 1.44 gals.

THREE WELL VOLUMES = 4.33 gals. ACTUAL VOLUME EVACUATED: 3.50 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: ~18 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO mg/L (ppm)	flow rate (ml/min)	~~draw~~ down water level (ft)	COMMENTS Gallons
0930	18.36	6.00	3.5	0.117	223	10.01	200	17.20	—
0940	18.22	5.97	1.8	0.113	217	7.48	200	17.15	.5
0950	18.17	5.96	1.8	0.112	217	7.61	200	17.15	1.00
1000	18.41	5.94	1.0	0.110	214	7.43	200	17.15	1.50
1010	18.42	5.91	0.9	0.110	214	7.22	200	17.15	2.00
1020	18.63	5.90	0.7	0.109	214	7.30	200	17.15	2.50
1030	18.61	5.93	0.2	0.109	213	7.25	200	17.15	3.00
1040	18.11	5.94	0.4	0.110	212	7.26	200	17.15	3.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 Chloride/Sulfate/Nitrate (50ml), 1 Sulfide (50ml)

3 VOCs (40ml) 2 Methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/20/14

WELL NO. SMFDR-1 WEATHER: Sunny few clouds cool SAMPLE TIME: 1235

REMARKS: ferrous Iron = 0 mg/L water has yellow tint to it. SAMPLER(S): Mark H

WELL PURGING: WELL DIAMETER: 2" in. STATIC WATER LEVEL: 16.88 ft. WELL DEPTH: 49 ft.

LENGTH OF SATURATED ZONE: 32.12 linear ft. ONE WELL VOLUME : 5.139 gals.

THREE WELL VOLUMES = 15.42 gals. ACTUAL VOLUME EVACUATED: 3.50 gals.

PURGE METHOD: peristaltic pump DEPTH OF PUMP INTAKE: ~46 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	~~draw~~ down water lev (ft)	COMMENTS Gallons
1122	17.53	5.70	8.3	0.456	221	1.91	200	17.85	—
1132	17.39	5.73	6.8	0.509	232	1.11	200	17.85	.5
1142	17.67	5.87	5.0	0.579	230	0.68	200	17.85	1.00
1152	17.76	5.92	3.0	0.586	226	0.54	200	17.85	1.50
1202	17.75	5.90	3.3	0.582	227	0.50	200	17.85	2.00
1212	18.02	5.88	3.1	0.586	229	0.47	200	17.85	2.50
1222	18.02	5.87	2.9	0.582	228	0.43	200	17.85	3.00
1232	18.25	5.87	3.5	0.584	229	0.40	200	17.85	3.50

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/alkalinity (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: woodall creek DATE: 3/21/14

WELL NO. DPMW-26 WEATHER: Sunny clear cool SAMPLE TIME: 1103

REMARKS: ferrous iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 34.50 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 15.5 linear ft. ONE WELL VOLUME : 2.48 gals.

THREE WELL VOLUMES = 7.44 gals. ACTUAL VOLUME EVACUATED: 3.00 gals.

PURGE METHOD: Submersible pump DEPTH OF PUMP INTAKE: ~40 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS Gallons
1000	14.90	5.03	21.5	0.159	262	3.21	200	35.21	—
1010	16.43	4.99	11.9	0.150	271	1.61	200	35.21	.5
1020	17.45	4.94	2.7	0.147	269	0.81	200	35.21	1.00
1030	17.29	4.90	3.1	0.147	265	0.76	200	35.21	1.50
1040	17.47	4.90	1.7	0.144	261	0.80	200	35.21	2.00
1050	17.55	4.89	0.8	0.143	263	0.78	200	35.21	2.50
1100	17.53	4.89	0.7	0.143	264	0.77	200	35.21	3.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 Chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing, Liquinox + DI water

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: Woodall Creek DATE: 3/24/14

WELL NO. DPMW-28 WEATHER: Sunny clear cool SAMPLE TIME: 1313

REMARKS: ferrous Iron = 0 mg/L SAMPLER(S): Mark A

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 36.56 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 13.44 linear ft. ONE WELL VOLUME: 2.15 gals.

THREE WELL VOLUMES = 6.45 gals. ACTUAL VOLUME EVACUATED: 4.00 gals.

PURGE METHOD: Submersible Pump DEPTH OF PUMP INTAKE: ~40 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw water down level (ft)	COMMENTS Gallons
1150	17.73	6.27	20.0	0.210	195	4.30	200	36.80	—
1200	16.36	6.17	18.1	0.219	197	1.87	200	36.80	.5
1210	16.51	6.13	19.0	0.218	195	1.43	200	36.80	1.00
1220	17.37	6.12	29.4	0.193	187	2.03	200	36.80	1.50
1230	17.51	5.94	24.6	0.176	196	2.59	200	36.80	2.00
1240	17.42	5.74	15.0	0.154	206	2.61	200	36.80	2.50
1250	17.41	5.72	14.4	0.154	207	2.68	200	36.80	3.00
1300	17.36	5.71	12.7	0.153	210	2.73	200	36.80	3.50
1310	17.36	5.71	13.0	0.153	211	2.80	200	36.80	4.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)

2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: Disp. New Tubing, Liquinox & DI water

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: Woodall Creek DATE: 3/24/14

WELL NO. DPMW-25 WEATHER: Sunny / Clear cool SAMPLE TIME: 1053

REMARKS: Ferrous Iron = 0 SAMPLER(S): Mark A

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 37.50 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 12.5 linear ft. ONE WELL VOLUME : 2 gals.

THREE WELL VOLUMES = 6 gals. ACTUAL VOLUME EVACUATED: 4.00 gals.

PURGE METHOD: Submersable pump DEPTH OF PUMP INTAKE: ~42 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm) mg/L	flow rate (ml/min)	draw water down level (ft)	COMMENTS Gallons
0930	14.01	5.14	411	0.199	235	4.40	200	37.85	—
0940	14.48	5.12	390	0.194	239	4.04	200	37.85	.5
0950	15.96	5.13	262	0.171	259	2.68	200	37.85	1.00
1000	17.23	5.11	139	0.161	262	2.29	200	37.85	1.50
1010	17.68	5.12	95.9	0.168	261	2.03	200	37.85	2.00
1020	17.92	5.06	23.7	0.177	258	1.85	200	37.85	2.50
1030	17.97	5.07	21.4	0.177	258	1.81	200	37.85	3.00
1040	18.10	5.06	14.7	0.178	259	1.76	200	37.85	3.50
1050	18.21	5.06	10.8	0.178	259	1.69	200	37.85	4.00

SAMPLE WITHDRAWL METHOD: ____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

1 chloride/sulfate/nitrate (500ml), 1 sulfide (500ml), 3 VOCs (40ml)
2 methane/ethane/ethene (40ml), 2 TOC (40ml)

SAMPLE ID NUMBER(s): ____

DECON METHOD: New Tubing + liquinox + DI water

PURGE WATER MANAGEMENT: Drum on site

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: ____ TIME: ____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SME LOCATION: DUBBIUS PROPERTY DATE: 3/14/14

WELL NO. DBMW-4S WEATHER: Sunny ~40F SAMPLE TIME: 0937

REMARKS: _____ SAMPLER(S): DRH

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.40 ft. WELL DEPTH: 24 ft.

LENGTH OF SATURATED ZONE: 7.4 linear ft. ONE WELL VOLUME : 1.2 gals.

THREE WELL VOLUMES = 3.6 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 20 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0819	Pump On								
0823	10.00	5.29	68.4	0.115	257	14.81	140	0.1	
0831	13.49	5.26	13.2	0.107	261	9.64	140	0.1	
0851	15.82	5.09	8.0	0.103	273	6.75	140	0.1	
0901	15.82	5.04	6.6	0.102	278	6.62	140	0.15	
0911	15.88	4.98	5.4	0.102	281	6.49	140	0.15	
0921	15.92	4.94	5.5	0.102	285	6.38	140	0.15	
0934	15.91	4.94	5.2	0.102	285	6.32	140	0.15	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: ~~0935~~

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Daltile DATE: 3-11-14

WELL NO. RPMW-15 WEATHER: Sun ~75°F SAMPLE TIME: 1520

REMARKS: SAMPLER(S): T. Nor

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 20.45 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 29.55 linear ft. ONE WELL VOLUME : 4.72 gals.

THREE WELL VOLUMES = 14.16 gals. ACTUAL VOLUME EVACUATED: ~4 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1428	Pump Start								
1430	25.01	5.77	4.7	0.227	100	1.04	300	~~50~~.0	
1435	24.77	5.72	4.3	0.227	100	0.60	300	0.0	
1445	24.89	5.72	1.5	0.224	100	0.46	300	0.0	
1455	25.19	5.73	0.9	0.222	103	0.39	300	0.0	
1505	25.27	5.73	0.0	0.221	105	0.37	300	0.0	
1510	25.47	5.73	0.0	0.219	102	0.35	300	0.0	
1515	25.44	5.72	0.0	0.219	101	0.38	300	0.0	
1520	Sample Collected								

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): RPMW-15

DECON METHOD: liquinox / DI

PURGE WATER MANAGEMENT: containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-11-14 TIME: 1520

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - AKZO DATE: 3-13-14

WELL NO. AKZMW-3 WEATHER: Sun ~45°F SAMPLE TIME: _____

REMARKS: _____ SAMPLER(S): T Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 23.2 ft. WELL DEPTH: 30 ft.

LENGTH OF SATURATED ZONE: 6.8 linear ft. ONE WELL VOLUME : 1.0 gals.

THREE WELL VOLUMES = 3.0 gals. ACTUAL VOLUME EVACUATED: ~2.3 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~28 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1408	Pump Start								
1410	18.57	5.89	2.2	0.109	112	3.19	150	.6	
1415	18.98	5.86	2.0	0.084	99	3.47	140	.7	
1420	19.20	5.83	0.9	0.083	100	2.48	140	.7	
1430	19.50	5.81	0.0	0.083	101	2.40	140	.9	
1440	19.56	5.79	0.0	0.084	91	2.03	140	.9	
1450	19.60	5.77	0.0	0.085	82	1.56	140	.9	
1455	19.58	5.77	0.0	0.087	97	1.33	140	.9	
1500	19.81	5.78	0.0	0.085	91	1.22	140	.9	
1505	19.82	5.79	0.0	0.084	86	1.13	140	.9	

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron : 0.0 mg/L

SAMPLE ID NUMBER(s): AKZMW-3

DECON METHOD: liquinox / DI

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-13-14 TIME: ~1530

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Dobbins DATE: 3-14-14

WELL NO. DPMW-2I WEATHER: Sun ~40°F SAMPLE TIME: _____

REMARKS: DUP-2 collected @ 1200 SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.6 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 33 linear ft. ONE WELL VOLUME : 5.28 gals.

THREE WELL VOLUMES = 15.84 gals. ACTUAL VOLUME EVACUATED: ~95 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: ~45 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0840	Pump Start								
0842	12.19	7.21	111	0.194	274	3.75	300	1.0	
0845	14.50	7.22	121	0.181	256	3.03	300	~~1.0~~ 1.3	
0855	14.28	7.17	44.21	0.172	239	8.98	300	2.1	
0905	14.67	7.14	24.5	0.170	235	8.68	300	2.2	
0925	14.66	7.05	10.1	0.167	229	8.46	300	2.2	
0945	16.20	6.99	5.3	0.329	223	7.74	300	2.2	
1000	16.40	6.93	3.8	0.330	223	8.0	300	2.2	
1010	16.23	6.91	1.1	0.328	222	7.67	300	2.2	
1015	17.05	6.88	4.0	0.326	232	1.66	300	2.2	

Data Continued on back

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

DUP-2 Collected at 2I

Ferrous Iron : 0.0 mg/L

SAMPLE ID NUMBER(s): DPMW-2I + DUP-2

DECON METHOD: Liquinox / DI

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-14-14 TIME: ~1500

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Dobbins DATE: 3-14-14

WELL NO. DPmw-2S WEATHER: Sun ~45°F SAMPLE TIME: 1220

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.6 ft. WELL DEPTH: 24.3 ft.

LENGTH OF SATURATED ZONE: 10.3 linear ft. ONE WELL VOLUME : 1.64 gals.

THREE WELL VOLUMES = 4.92 gals. ACTUAL VOLUME EVACUATED: ~4 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~20 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1130	Pump Start							0	
1135	17.34	6.26	5.6	0.207	134	3.73	200	.0	
1140	17.38	6.27	3.7	0.208	140	3.50	250	.0	
1155	17.59	6.25	0.0	0.208	166	3.36	250	.3	
1205	17.48	6.28	0.0	0.208	170	3.72	250	.4	
1210	17.75	6.27	0.0	0.207	171	3.57	250	.4	
1215	17.70	6.23	0.0	0.208	172	6.89	250	.5	
1220	17.85	6.25	0.0	0.208	173	6.89	250	.5	
1225	18.11	6.25	0.0	0.208	174	6.90	250	.5	
1230	18.00	6.22	0.0	0.209	173	6.88	250	.5	

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED, INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): DPmw-2

DECON METHOD: liquinox | DI

PURGE WATER MANAGEMENT:

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-14-14 TIME: ~1500

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Macy's DATE: 3-12-14

WELL NO. MPMW-19 WEATHER: overcast ~60°F SAMPLE TIME: 1405

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.49 ft. WELL DEPTH: 30 ft.

LENGTH OF SATURATED ZONE: 18.51 linear ft. ONE WELL VOLUME : 2.9 gals.

THREE WELL VOLUMES = 8.7 gals. ACTUAL VOLUME EVACUATED: ~5 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~24 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS
1257	Pump Start								
1300	21.18	4.43	28.2	0.223	186	4.03	300	.2	
1305	17.85	3.96	12.9	0.236	224	3.07	300	.18	
1315	17.65	3.93	19.6	0.254	251	2.08	300	.22	
1330	17.82	3.98	0.5	0.263	259	1.59	300	.21	
1340	17.74	3.99	0.0	0.268	267	1.36	300	.21	
1345	17.73	3.98	0.0	0.252	270	1.63	300	.21	
1350	17.81	3.99	0.0	0.271	273	1.61	300	.21	
1355	17.81	3.97	0.0	0.270	274	1.62	300	.21	
~~1400~~	~~17.80~~	~~3.95~~	~~0.0~~	~~0.270~~	~~275~~	~~=~~ 1.60	~~300~~	~~.21~~	

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): MPMW-19

DECON METHOD: liquinox | DI

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-12-14 TIME: 1405

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall Creek - HOA DATE: 3-11-14

WELL NO. HOAMW-3 WEATHER: Sun ~70°F SAMPLE TIME: 1400

REMARKS: SAMPLER(S): T. Nor

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 15.76 ft. WELL DEPTH: 40 ft.

LENGTH OF SATURATED ZONE: 24.24 linear ft. ONE WELL VOLUME : 3.87 gals.

THREE WELL VOLUMES = 11.6 gals. ACTUAL VOLUME EVACUATED: ~3.6 gals.

PURGE METHOD: DEPTH OF PUMP INTAKE: ~36 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1306	Pump Start						225		
1305	25.94	4.03	0.0	0.264	he3	2.0	225	0.3	
1320	19.85	5.57	0.0	0.280	220	2.21	225	0.26	
1330	19.22	5.53	0.0	0.279	233	2.18	225	0.3	
1340	19.45	5.64	0.0	0.272	227	2.09	225	0.3	
1345	19.60	5.68	0.0	0.272	228	2.07	225	0.3	
1350	19.72	5.70	0.0	0.269	233	2.10	225	0.3	
1355	19.72	5.73	0.0	0.268	231	2.06	225	0.3	
1400	Sample Collected								

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): HOAMW-3

DECON METHOD: Liquinox

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: 3-11-14 TIME: 1400

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Midtown West DATE: 3-11-14

WELL NO. MTWmw-4 WEATHER: Sun ~ 63°F SAMPLE TIME: 1215

REMARKS: SAMPLER(S): T. Noreika

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.7 ft. WELL DEPTH: 34.5 ft.

LENGTH OF SATURATED ZONE: 20.8 linear ft. ONE WELL VOLUME : 3.3 gals.

THREE WELL VOLUMES = 9.9 gals. ACTUAL VOLUME EVACUATED: ~5.3 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~30 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS
1055	Pump Start								
1100	19.88	4.11	80.6	0.178	310	3.21	250	.1	
1105	20.58	4.28	68.5	0.176	266	2.88	250	.15	
1115	22.41	4.12	28.3	0.168	262	2.60	250	.15	
1130	24.25	4.01	21.4	0.161	253	3.66	250	.15	
1145	25.82	3.68	8.5	0.155	223	2.19	250	.15	
1200	26.56	3.62	4.7	0.154	224	2.11	250	.15	
1210	27.51	3.72	1.0	0.150	252	1.98	250	.15	
1215	27.73	3.74	1.5	0.150	251	1.96	250	.15	

SAMPLE WITHDRAWL METHOD: low - flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron : 0.5 mg/L

SAMPLE ID NUMBER(s): MTWmw-4

DECON METHOD: liquinox

PURGE WATER MANAGEMENT: parastaltic

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-11-14 TIME: 1215

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Nutals LOCATION: Woodall Creek - Daltile DATE: 3-10-14

WELL NO. RPMW WEATHER: Sun ~67F SAMPLE TIME: _____

REMARKS: _____ SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 17.25 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 32.75 linear ft. ONE WELL VOLUME : 5.24 gals.

THREE WELL VOLUMES = 15.73 gals. ACTUAL VOLUME EVACUATED: ~3 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~40 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1420	Pump	Start					225		
1425	25.05	5.93	10.4	0.273	200	2.65	225	.2	
1440	25.31	5.84	15.9	0.276	219	2.03	225	.2	
1450	25.91	5.83	16.7	0.275	219	1.88	225	.3	
1500	26.25	5.84	15.8	0.273	219	1.85	225	.3	
1505	26.47	5.83	15.5	0.273	218	1.81	225	.3	
1510	26.52	5.83	15.6	0.272	220	1.79	225	.3	

SAMPLE WITHDRAWL METHOD: low - flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

~~VOCs~~ Ferrous Metal: 0.0

SAMPLE ID NUMBER(s): RPMW-24

DECON METHOD: Liquinox

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: 3-10-14 TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall Creek - Daltile DATE: 3-10-14

WELL NO. RPMW-14 WEATHER: Sun ~55°F SAMPLE TIME: 1300

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 25.12 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 24.88 linear ft. ONE WELL VOLUME : 3.9 gals.

THREE WELL VOLUMES = 11.7 gals. ACTUAL VOLUME EVACUATED: ~5.6 gals.

PURGE METHOD: low flow parastaltic DEPTH OF PUMP INTAKE: ~40 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO mg/L ~~(ppm)~~	flow rate (ml/min)	draw down (ft)	COMMENTS
1130	Start	Pump							
1135	18.69	5.81	12.1	0.310	149	1.95	250	.3	
1145	19.75	5.83	14.1	0.304	158	1.08	250	.4	
1155	20.68	5.77	20.8	0.296	165	0.90	250	.6	
1205	21.84	5.57	17.4	0.251	287	0.67	250	.6	
1225	22.40	5.50	13.2	0.216	416	0.53	250	.6	
1235	22.80	5.49	10.5	0.210	470	0.54	250	.6	
1245	22.75	5.50	8.1	0.207	492	0.49	250	.6	
1250	23.26	5.52	8.0	0.207	498	0.47	250	.6	
~~1255~~	23.47	5.52	7.9	0.206	500	0.48	250	.6	

SAMPLE WITHDRAWL METHOD: low flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron Test: 0.0

SAMPLE ID NUMBER(s): RPMW-14

DECON METHOD: Liquinox

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-10-14 TIME: 1300

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Atlanta, GA DATE: 3-10-14

WELL NO. RPMW-2 WEATHER: Sunny ~50°F SAMPLE TIME: 1025

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 22.6 ft. WELL DEPTH: 28.5 ft.

LENGTH OF SATURATED ZONE: 5.90 linear ft. ONE WELL VOLUME : 0.94 gals.

THREE WELL VOLUMES = 2.8 gals. ACTUAL VOLUME EVACUATED: ~3.5 gals.

PURGE METHOD: Parastaltic DEPTH OF PUMP INTAKE: 26 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS
0910	Begin	Pump							
0915	16.37	5.94	313	0.002	107	8.67	100	0.1	
0920	~~22~~15.91	4.88	321	0.002	188	8.46	200	0.25	
0930	15.60	4.91	318	0.002	199	8.41	200	0.4	tubing correction
0940	~~15.57~~	~~4.86~~ 5.69	79.5	0.125	164	3.49	200	0.6	flow cell not filling
0950	15.54	5.68	66.3	0.127	165	2.45	200	0.62	*corrected 0935
1000	15.45	5.50	34.6	0.116	177	1.59	200	0.63	
1010	15.68	5.50	18.8	0.115	179	1.44	200	0.63	
1015	15.87	5.53	19.1	0.115	177	1.42	200	0.64	
1020	15.92	5.54	18.9	0.115	176	1.39	200	0.65	
1025	Sample Collected						200		

.38 gal

SAMPLE WITHDRAWL METHOD:

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron Test: 0.0

SAMPLE ID NUMBER(s): RPMW-2

DECON METHOD: Liquinox

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-10-14 TIME: 1025

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Restaurant Property DATE: 3-12-14

WELL NO. JPBRW-1 WEATHER: Overcast: some light rain SAMPLE TIME: _____

REMARKS: _____ SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 4 in. STATIC WATER LEVEL: 30.7 ft. WELL DEPTH: 164.5 ft.

LENGTH OF SATURATED ZONE: 133.8 linear ft. ONE WELL VOLUME : 86.97 gals.

THREE WELL VOLUMES = 260.9 gals. ACTUAL VOLUME EVACUATED: ~9 gals.

PURGE METHOD: Monsoon Pump DEPTH OF PUMP INTAKE: _____ ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO mg/L ~~(ppm)~~	flow rate (ml/min)	draw down (ft)	COMMENTS
0905	Pump		Start						
0910	19.09	9.56	80.5	0.572	-114	7.55	400	0.95	
0915	18.89	9.49	76.5	0.576	-140	7.77	400	1.5	
0925	19.10	9.62	90.5	0.585	-180	5.87	400	2.3	
0940	19.35	9.52	54.4	0.585	-189	3.80	400	4.5	
0955	19.16	9.56	50.7	0.586	-199	3.37	400	6.0	
1005	19.18	9.63	46.7	0.586	-202	2.20	400	8.2	
1010	19.09	9.64	46.2	0.586	-202	2.01	400	8.6	
1015	18.84	9.67	44.3	0.582	-189	1.90	400	9.0	
1020	18.82	9.62	40.2	0.585	-178	1.87	400	9.4	

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): JPBRW-1

DECON METHOD: Liquinox / DI

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-12-14 TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

Amec Groundwater Sample Log

Southern Metals Woodall : HOA 3-13-14

Well: HOAMW-5 Weather: Sun ~35°F Sample Time: 1005

Sampler: Tela Noreikas

Well Diameter: 2in Static Water level: ~~11.49~~ 17.25 ft. Well Depth: ~~35~~ ft.

Length of Sat. Zone: ~~18.51~~ ft. 17.75 one well volume: 2.8 Actual Volume: 5.2 gal

three volumes: 8.4 Depth of pump: ~28 ft Purge method: low flow

Time	Temp	PH	Turb	Cond	ORP	DO	Flow Rate	Draw Down
900	Pump Start							
0905	11.92	5.50	22.0	0.279	267	2.15	~~15~~ 300	.15
0910	14.93	5.76	31.9	0.239	253	1.83	300	.14
0920	15.46	5.82	12.1	0.228	245	1.65	300	
0930	16.56	5.90	0.0	0.220	233	1.38	300	~~0~~ .15
0940	16.57	5.91	0.0	0.219	232	1.36	300	
0950	16.56	5.91	0.0	0.219	228	1.34	300	
0955	16.60	5.92	0.0	0.219	225	1.28	300	
1000	16.61	5.93	0.0	0.219	225	1.26	300	.15
1005	Sample collected							

Ferrous Iron: 0.0 mg/L

Sample ID: HOAMW-5

Samples delivered to GCal, Atlanta Ga

Date: 3-13-14 @ 1530

Decon Method: liquinox/DI

purge water containerized

amec

GROUNDWATER SAMPLING LOG

CLIENT: Southern metals LOCATION: Southern Metals DATE: 3-21-14

WELL NO. SMFMW-6 WEATHER: Sun ~59°F SAMPLE TIME: 1230

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.36 ft. WELL DEPTH: 24 ft.

LENGTH OF SATURATED ZONE: 10.64 linear ft. ONE WELL VOLUME : 1.7 gals.

THREE WELL VOLUMES = 5.1 gals. ACTUAL VOLUME EVACUATED: ~5.3 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~20 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO ~~(ppm)~~ mg/L	flow rate (ml/min)	draw down (ft)	COMMENTS
1115	Pump Start								
1120	18.36	5.86	0.0	0.136	20	1.78	250	.23	
1125	18.39	5.43	0.0	0.131	27	1.09	250	.26	
1135	18.48	5.43	0.2	0.132	9	0.74	250	.3	
1155	18.52	5.56	0.3	0.145	~~0.16~~ 28	0.63	250	~~3~~ .5	
1205	18.58	5.63	0.1	0.154	-42	0.63	250	.6	
1215	18.51	5.73	0.2	0.166	-62	0.59	250	.6	
1220	18.52	5.74	0.2	0.168	-64	0.57	250	.6	
1225	18.53	5.75	0.1	0.170	-69	0.56	250	.6	
1230	18.52	5.76	0.1	0.171	-69	0.56	250	.6	

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): SMFMW-6

DECON METHOD: liquinox / DI

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: 3-21-14 TIME: ~1330

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Daltile DATE: 3-12-14

WELL NO. RPMW-1 WEATHER: overcast ~60°F SAMPLE TIME: 1210

REMARKS: Screen interval unknown SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 12.56 ft. WELL DEPTH: ~~24.5~~ 20.2 ft.

LENGTH OF SATURATED ZONE: 7.64 linear ft. ONE WELL VOLUME : 1.2 gals.

THREE WELL VOLUMES = 3.6 gals. ACTUAL VOLUME EVACUATED: ~4 gals.

PURGE METHOD: low-flow DEPTH OF PUMP INTAKE: ~18 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO mg/L ~~(ppm)~~	flow rate (ml/min)	draw down (ft)	COMMENTS
1115	Pump Start								
1120	19.96	7.52	110	0.160	102	4.04	300	.14	
1125	20.12	6.55	92.4	0.161	175	3.66	300	.14	
1130	20.34	4.75	54.7	0.166	218	3.32	300	.13	
1145	20.51	3.99	21.4	0.175	240	2.76	300	.13	
1150	20.63	3.87	14.0	0.175	248	2.74	300	.13	
1155	20.56	3.86	13.2	0.174	252	2.72	300	.13	
1200	20.54	3.84	11.9	0.174	255	2.72	300	.13	
1205	20.54	3.88	10.0 9.7	0.175 0.174	258 261	2.65 2.63	300 300	.13 .13	

SAMPLE WITHDRAWL METHOD: low-flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Ferrous Iron: 0.0 mg/L

SAMPLE ID NUMBER(s): RPMW-1

DECON METHOD: liquinox / DI

PURGE WATER MANAGEMENT: Containerized

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: 3-12-14 TIME: 1210

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

GROUNDWATER SAMPLING LOG

CLIENT: Southern Metals LOCATION: Woodall - Southern Metals DATE: 3-21-14

WELL NO. SmFmw-18 WEATHER: Sun ~ 58°F SAMPLE TIME: 1035

REMARKS: SAMPLER(S): T. Noreikas

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 20.67 ft. WELL DEPTH: 30 ft.

LENGTH OF SATURATED ZONE: 9.33 linear ft. ONE WELL VOLUME : 1.4 gals.

THREE WELL VOLUMES = 4.2 gals. ACTUAL VOLUME EVACUATED: ~3.2 gals.

PURGE METHOD: low flow DEPTH OF PUMP INTAKE: ~28 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0935	Pump Start								
0940	9.12	7.90	18.6	5.88	174	6.39	200	.2	
0945	9.88	8.32	13.7	6.19	161	5.68	300	.18	
1000	13.04	7.32	0.5	1.51	203	5.28	350	.18	
1010	14.59	7.33	0.0	1.42	215	4.73	350	.19	
1015	15.18	7.34	0.0	1.41	217	4.48	350	.18	
1020	15.48	7.34	0.0	1.40	218	4.41	350	.18	
1025	16.00	7.35	0.0	1.39	219	4.23	350	.18	
1030	16.58	7.36	0.0	1.38	220	4.10	350	.18	
1035	16.62	7.35	0.0	1.38	220	4.09	350	.18	

SAMPLE WITHDRAWL METHOD: low flow

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

ferrous Iron : 0.0 mg/L

SAMPLE ID NUMBER(s): SmFmw-18

DECON METHOD: liquinox / DI

PURGE WATER MANAGEMENT: containerized

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: 3-21-14 TIME:

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: FORMER JODECO PROP DATE: 3/11/14

WELL NO. JPMW-21 WEATHER: Sunny ~ 70F SAMPLE TIME: ~~1300~~ 1210

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 5.54 ft. WELL DEPTH: 39 ft.

LENGTH OF SATURATED ZONE: 33.46 linear ft. ONE WELL VOLUME : 5.4 gals.

THREE WELL VOLUMES = 16.08 gals. ACTUAL VOLUME EVACUATED: 5 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1122	Pump on								
1125	24.27	5.84	720	0.215	172	7.05	150	0.06	
1145	20.45	5.82	824	0.230	177	1.96	150	0.10	
1155	21.24	5.82	726	0.225	177	1.75	150	0.10	
1205	21.14	5.80	672	0.223	177	1.53	150	0.15	
1210	21.21	5.80	586	0.222	178	1.48	150	0.15	
1215	21.34	5.78	560	0.221	178	1.42	150	0.15	
1220	21.27	5.73	516	0.219	181	1.39	150	0.15	
1205	21.12	5.73	480	0.218	181	1.38	150	0.15	Turbidity = 0.0
~~1300~~ 1210	21.20	5.73	482	0.218	181	1.38	150	0.15	

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: FORMER JODECO PROP DATE: 3/11/14

WELL NO. JPMW-22 WEATHER: Sunny ~ 70F SAMPLE TIME: 1400

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.1 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 38.9 linear ft. ONE WELL VOLUME : 6.2 gals.

THREE WELL VOLUMES = 18.7 gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1250	Pump On								
1253	24.66	5.59	10.6	0.188	189	4.21	165	0.15	
1313	24.17	5.46	5.5	0.190	234	0.71	165	0.20	
1323	24.17	5.48	5.1	0.192	256	0.60	165	0.20	
1333	24.21	5.49	4.9	0.193	277	0.54	165	0.20	
1343	24.35	5.46	4.9	0.192	281	0.54	165	0.20	
1353	24.64	5.48	6.5	0.192	291	0.47	165	0.20	
1357	24.89	5.48	4.8	0.190	297	0.46	165	0.21	
1410	24.96	5.48	5.0	0.191	298	0.46	165	0.21	$Fe^{2+} = 0.0$

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: Former Jodeco Prop DATE: 3/12/14

WELL NO. SPMW-16 WEATHER: P. Cloudy, ~65F SAMPLE TIME: 1200

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 18.55 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 31.45 linear ft. ONE WELL VOLUME : 5 gals.

THREE WELL VOLUMES = 15 gals. ACTUAL VOLUME EVACUATED: 8 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1032	Pump On								
1035	19.21	6.10	114	0.281	159	4.29	145	0.05	
1055	20.01	6.22	128	0.295	149	2.46	145	0.10	Pump stalling, raised speed.
1105	20.26	6.15	8.7	0.284	155	2.74	170	0.15	
1115	20.37	6.08	12.6	0.269	161	2.85	170	0.15	
1125	20.43	5.89	17.4	0.242	171	2.46	170	0.15	
1140	20.51	5.65	12.7	0.210	186	1.60	170	0.15	
1150	20.66	5.65	11.1	0.201	188	1.47	170	0.15	
1155	20.66	5.66	11.8	0.198	187	1.47	170	0.15	
1200	20.68	5.66	12.4	0.198	187	1.47	170	0.15	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: _____ DATE: 3/13/19

WELL NO. AKZMW-6 WEATHER: _____ SAMPLE TIME: 1225

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.40 ft. WELL DEPTH: 23 ft.

LENGTH OF SATURATED ZONE: 11.6 linear ft. ONE WELL VOLUME : 1.9 gals.

THREE WELL VOLUMES = 5.6 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 18 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1146	Pump	On							
1151	16.07	5.95	11.2	0.169	173	4.89	180	0.4	
1206	15.45	5.94	8.6	0.169	181	3.28	180	0.5	
1210	15.70	5.94	8.1	0.170	184	3.04	180	0.5	
1215	15.46	5.94	7.7	0.169	185	3.03	180	0.5	
1220	15.65	5.92	7.1	0.170	187	2.92	180	0.5	
1225	15.47	5.92	6.5	0.169	188	2.81	180	0.55	$Fe^{2+}=0$

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: _____ DATE: 3/13/13

WELL NO. AKZMW-4 WEATHER: _____ SAMPLE TIME: 1444

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 11.50 ft. WELL DEPTH: 27 ft.

LENGTH OF SATURATED ZONE: _____ linear ft. ONE WELL VOLUME : _____ gals.

THREE WELL VOLUMES = _____ gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 22 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1339	Pump on								
1341	16.52	5.21	15.2	0.079	226	7.00	180	0.2	slowed pump
1354	17.27	5.21	7.7	0.076	225	3.07	140	0.2	
1404	17.39	5.21	6.1	0.078	223	2.60	140	0.2	
1414	17.50	5.21	5.9	0.079	222	2.45	140	0.2	
1424	17.70	5.20	5.2	0.079	222	2.32	140	0.2	
1434	17.71	5.20	4.7	0.075	223	2.23	141	0.2	
1439	17.71	5.20	4.9	0.079	223	2.24	140	0.2	
1444	17.71	5.20	4.8	0.079	223	2.23	140	0.2	Fe^{2+}: 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: _____ DATE: 3/18/14

WELL NO. SMFMW-13 WEATHER: _____ SAMPLE TIME: 1340

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 17.6 ft. WELL DEPTH: 28 ft.

LENGTH OF SATURATED ZONE: 10.4 linear ft. ONE WELL VOLUME : 1.7 gals.

THREE WELL VOLUMES = 5 gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: _____ ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
~~Pump~~ 1157	Pump On								
1200	11.42	6.27	16.7	0.243	142	4.05	150	0.1	
1220	15.35	6.54	4.4	0.215	107	1.84	150	0.5	
1230	15.71	5.98	3.7	0.113	140	5.30	150	0.5	
1240	16.04	5.96	3.0	0.108	150	5.39	150	0.6	
1250	16.23	6.01	3.8	0.111	150	5.13	150	0.6	
1300	16.36	6.05	3.0	0.111	149	4.90	150	0.6	
1310	16.51	6.06	2.7	0.110	148	4.75	150	0.6	
1320	16.88	6.10	2.5	0.115	145	4.44	150	0.7	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: _____ DATE: 3/18/14

WELL NO. SMFMW-13 WEATHER: _____ SAMPLE TIME: 1340

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: _____ in. STATIC WATER LEVEL: _____ ft. WELL DEPTH: _____ ft.

LENGTH OF SATURATED ZONE: _____ linear ft. ONE WELL VOLUME : _____ gals.

THREE WELL VOLUMES = _____ gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: _____ ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1330	17.22	6.12	2.4	0.120	145	4.18	150	0.75	
1335	17.27	6.13	2.5	0.121	144	4.13	150	0.75	
1340	17.31	6.13	2.6	0.121	145	4.12	150	0.75	F^{-2+}=0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SMF LOCATION: _____ DATE: 3/18/14

WELL NO: DPMW-3I WEATHER: _____ SAMPLE TIME: 0935

REMARKS: _____ SAMPLER(S): DGS

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 26.7 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: _____ linear ft. ONE WELL VOLUME : _____ gals.

THREE WELL VOLUMES = _____ gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: _____ ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
817	Pump On								
0820	9.88	5.75	349	0.363	133	7.80	140	0.05	
0845	14.89	5.66	17.9	0.323	117	2.29	140	0.05	
0855	14.89	5.77	22.7	0.305	81	1.94	140	0.05	
0905	14.94	5.74	20.2	0.310	77	1.69	140	0.05	
0915	15.31	5.65	14.7	0.317	~~83~~ 84	1.49	140	0.05	
0925	15.21	5.61	11.9	0.324	91	1.35	140	0.05	
0930	15.08	5.58	11.6	0.330	99	1.28	141	0.05	
0935	15.12	5.58	15.4	0.330	99	1.25	140	0.05	Fe^{2+}=0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

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CLIENT: SME LOCATION: SME DATE: 3/19/14

WELL NO. SMEMW-2 WEATHER: Cloudy ~55F SAMPLE TIME: 1255

REMARKS: SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 15.6 ft. WELL DEPTH: ~~26~~ 29 ft.

LENGTH OF SATURATED ZONE: 13.4 linear ft. ONE WELL VOLUME : 2.1 gals.

THREE WELL VOLUMES = 6.4 gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: ~~20~~ 25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1148	Pump On								
1155	15.27	4.52	10.2	0.252	337	4.97	160	0.35	
1215	15.70	3.61	4.1	0.250	369	3.57	160	0.40	
1230	16.08	4.60	1.7	0.246	376	3.28	160	0.40	
1240	16.44	4.58	1.8	0.245	379	3.16	160	0.45	
1250	16.74	4.59	1.5	0.240	377	3.04	160	0.45	
1255	16.92	4.59	1.1	0.238	376	3.01	160	0.45	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SME LOCATION: SME DATE: 3/19/14

WELL NO. SMEMW-1 WEATHER: _____ SAMPLE TIME: 1100

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.41 ft. WELL DEPTH: 25 ft.

LENGTH OF SATURATED ZONE: 10.6 linear ft. ONE WELL VOLUME : 1.7 gals.

THREE WELL VOLUMES = 5 gals. ACTUAL VOLUME EVACUATED: 4 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 20 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0942	Pump On								
0945	15.21	4.91	211	0.173	260	7.41	180	0.15	
0955	17.32	4.80	8.2	0.179	275	6.49	160	0.15	
1015	17.74	5.05	6.3	0.175	296	5.04	160	0.15	
1030	16.97	4.87	5.8	0.179	308	5.44	160	0.10	
1040	18.19	4.63	3.4	0.185	326	4.63	160	0.10	
1050	18.29	4.84	2.3	0.186	340	4.45	160	0.10	
1055	18.26	4.83	2.1	0.187	349	4.43	160	0.10	
1100	18.31	4.86	2.0	0.191	352	4.38	160	0.10	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

Collected DUP-4 duplicate sample.

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMC LOCATION: SOUTHERN METALS DATE: 3/24/14

WELL NO. SMFMW-10 WEATHER: Sunny ~ 60F SAMPLE TIME: 1200

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.7 ft. WELL DEPTH: 27 ft.

LENGTH OF SATURATED ZONE: ~~16.7~~ 10.3 linear ft. ONE WELL VOLUME : 1.7 gals.

THREE WELL VOLUMES = 5 gals. ACTUAL VOLUME EVACUATED: 2 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 23 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1052	Pump On								
1055	15.77	5.28	9.7	0.167	255	9.72	140	0.15	
1115	17.01	5.34	0.0	0.161	255	7.63	140	0.15	
1130	17.27	5.27	0.0	0.153	261	7.76	140	0.15	
1140	17.37	5.25	0.0	0.148	263	7.31	140	0.15	
1150	17.46	5.24	0.0	0.144	265	7.13	140	0.45	
1155	17.39	5.24	0.0	0.144	266	7.11	140	0.45	
1200	17.40	5.23	0.0	0.144	266	7.10	140	0.45	Fe^{2+}=0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

CLIENT: SME LOCATION: _____ DATE: 3/24/14

WELL NO.: SMBMW-9 WEATHER: Sunny ~50F SAMPLE TIME: 1015

REMARKS: Fe^{2+} = 0.0 SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 15.30 ft. WELL DEPTH: 27 ft.

LENGTH OF SATURATED ZONE: 11.7 linear ft. ONE WELL VOLUME : 1.9 gals.

THREE WELL VOLUMES = 5.6 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 20 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0908	Pump On								
0915	14.81	5.46	67.4	0.263	208	7.16	140	0.1	
0935	16.25	5.45	2.6	0.214	224	5.92	140	0.1	
0945	16.48	5.44	1.4	0.240	231	6.21	140	0.15	
0955	16.46	5.42	1.0	0.235	237	6.12	140	0.15	
1005	16.600	5.41	2.2	0.236	239	5.71	140	0.15	
1010	16.70	5.41	2.0	0.234	240	5.60	140	0.15	
1015	16.90	5.39	3.1	0.235	241	5.42	140	0.15	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: _____ DATE: 3/21/14

WELL NO.: DPMW-27 WEATHER: _____ SAMPLE TIME: 1100

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 39.05 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 10.95 linear ft. ONE WELL VOLUME : 1.8 gals.

THREE WELL VOLUMES = 5.3 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: Submersible pump DEPTH OF PUMP INTAKE: 45 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0945	Pump On								
0950	17.89	5.41	1000	0.220	191	3.74	400	0.5	
1005	19.15	5.25	10.1	0.169	209	2.80	200	0.56	
1020	19.81	5.28	3.9	0.167	209	2.26	200	0.7	
1030	20.22	5.23	2.6	0.165	211	2.09	200	0.7	
1040	20.49	5.24	2.5	0.162	210	1.98	200	0.7	
1050	20.66	5.22	2.4	0.161	210	1.89	200	0.7	
1055	20.81	5.24	3.5	0.162	210	1.83	200	0.7	
1100	20.82	5.23	2.0	0.160	209	1.80	200	0.7	$Fe^{2+} = 0.0$

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

CLIENT: SME LOCATION: SME DATE: 3/20/14

WELL NO. SMFMW-14 WEATHER: Sunny ~60F SAMPLE TIME: 1424

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 10.60 ft. WELL DEPTH: 18.5 ft.

LENGTH OF SATURATED ZONE: 7.9 linear ft. ONE WELL VOLUME : 1.3 gals.

THREE WELL VOLUMES = 3.8 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 15 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1311	Pump On								
1313	20.71	6.83	489	0.477	93	4.41	160	0.40	
1330	18.96	6.05	7.1	0.496	138	2.40	160	0.50	
1340	19.17	6.03	3.7	0.501	142	2.20	160	0.55	
1404	19.58	6.00	0.7	0.486	149	1.80	160	0.55	
1414	19.72	5.98	1.2	0.475	152	1.75	160	0.60	
1424	20.00	5.98	0.8	0.465	154	1.66	160	0.60	Fe^{2+} 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: SMF DATE: 3/20/14

WELL NO. SMFMW-11 WEATHER: Sunny ~60F SAMPLE TIME: 1150

REMARKS: Fe^{2+} = 1.5 SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.50 ft. WELL DEPTH: 20 ft.

LENGTH OF SATURATED ZONE: 5.5 linear ft. ONE WELL VOLUME : 0.9 gals.

THREE WELL VOLUMES = 2.6 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: _____ DEPTH OF PUMP INTAKE: 15 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
B1039	Pump On								
1042	18.43	6.67	3.6	1.04	-15	3.30	140	0.35	
1059	17.58	6.70	2.7	0.955	-57	1.14	160	0.50	
1115	17.73	6.69	2.6	0.787	-56	0.88	160	0.55	
1125	18.00	6.65	2.5	0.795	-57	0.75	160	0.55	
1135	18.03	6.68	2.4	0.794	-63	0.66	160	0.55	
1145	18.20	6.68	2.4	0.780	-65	0.61	160	0.55	
1150	18.35	6.68	2.8	0.783	-68	0.62	160	0.55	~~Fe^{2+} 0.0~~

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: SMF DATE: 3/20/14

WELL NO. SMFMW-17 WEATHER: Sunny ~60F SAMPLE TIME: 1000

REMARKS: _____ SAMPLER(S): DM

WELL PURGING:

WELL DIAMETER: 2 in. STATIC WATER LEVEL: 16.05 ft. WELL DEPTH: 30 ft.

LENGTH OF SATURATED ZONE: 13.95 linear ft. ONE WELL VOLUME : 2.2 gals.

THREE WELL VOLUMES = 6.7 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0838	Pump On								
0841	14.01	5.87	46.6	0.258	251	4.51	160	0.4	slowed pump
0900	19.35	5.94	1.3	0.274	249	1.95	140	0.45	
0910	19.59	5.94	0.6	0.274	246	1.46	140	0.45	
0920	19.91	5.94	0.0	0.274	241	1.17	140	0.45	
0935	19.99	5.95	0.0	0.273	234	1.04	140	0.45	
0945	19.97	5.95	0.0	0.274	229	0.91	140	0.45	
0955	20.16	5.94	0.0	0.274	224	0.92	140	0.45	
1000 ~~0955~~	20.19	5.95	0.0	0.274	224	0.91	140	0.45	Fe^{2+}: 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: FORMER JODECO PROP DATE: 3/11/14

WELL NO. JPMW-17 WEATHER: Sunny ~65F SAMPLE TIME: 1040

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 13.20 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 36.8 linear ft. ONE WELL VOLUME : 5.9 gals.

THREE WELL VOLUMES = 17.7 gals. ACTUAL VOLUME EVACUATED: 4 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 35 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0925	Pump on								
8927	16.29	6.19	10.5	0.256	128	7.88	165	0.20	Slowed pump to 135
0945	18.67	5.98	8.9	0.242	161	6.71	145	0.15	
0955	19.37	5.96	8.2	0.238	166	5.59	145	0.15	
1005	20.11	5.97	8.0	0.234	168	5.54	145	0.15	
1015	20.75	5.98	7.8	0.231	170	5.60	145	0.15	
1025	~~5.22~~ 20.99	5.99	8.7	0.231	170	5.19	145	0.15	
1030	21.59	5.99	7.7	0.227	170	4.96	145	0.15	
1035	21.86	5.99	7.2	0.226	170	4.97	145	0.15	
1040	22.14	5.99	7.4	0.226	169	4.97	145	0.15	Fe^{2+} = 0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

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GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: MIDTOWN WEST DATE: 3/10/14

WELL NO. MTWMW-7 WEATHER: Sunny, ~ 50F SAMPLE TIME: 1030

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.89 ft. WELL DEPTH: 40 ft.

LENGTH OF SATURATED ZONE: 25.11 linear ft. ONE WELL VOLUME : 4 gals.

THREE WELL VOLUMES = 12 gals. ACTUAL VOLUME EVACUATED: 5 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: ~~37~~30 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0905	Pump	On							
0909	16.58	6.17	144	0.485	51	4.43	140	0.1 ~~+0~~	
0920	10.91	6.08	148	0.475	-50	2.98	140	0.12 ~~+2~~	
0935	16.95	6.50	28.8	0.424	-69	2.09	140	0.15	
0945	17.04	6.51	23.1	0.472	-72	2.06	140	0.15	
0955	17.25	6.50	23.1	0.467	-73	1.67	140	0.16	
1005	17.41	6.51	14.8	0.462	-76	1.43	140	0.17	
1015	17.65	6.51	12.8	0.455	-76	1.50	140	0.17	
1030	17.67	6.52	12.8	0.453	-76	1.47	140	0.18	Fe^{2+} = 2.75

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): MTWMW-7

DECON METHOD: Liquinox + Distilled water bath

PURGE WATER MANAGEMENT: 55 gallon drum

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

Page ____ of ____

CLIENT: SMF LOCATION: MIDTOWN WEST DATE: 3/10/14

WELL NO. MWMW-7I WEATHER: Sunny ~60F SAMPLE TIME: 1203

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 15.1 ft. WELL DEPTH: 30.3 ft.

LENGTH OF SATURATED ZONE: 15.2 linear ft. ONE WELL VOLUME : 2.43 gals.

THREE WELL VOLUMES = 7.3 gals. ACTUAL VOLUME EVACUATED: 3 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 27 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1100	Pump On								
1102	19.80	6.60	36.0	0.410	-27	3.81	160	0.11	
1120	17.86	6.44	9.3	0.426	1	1.57	160	0.15	
1130	18.59	6.44	8.6	0.420	1	1.22	160	0.15	
1140	18.67	6.44	8.7	0.420	0	1.12	160	0.16	
1150	19.03	6.45	9.1	0.416	-1	1.01	160	0.16	
1155	18.98	6.45	8.6	0.415	-1	0.97	160	0.16	
1200	19.06	6.45	9.6	0.415	-2	0.94	160	0.16	
1203	19.14	6.45	8.8	0.413	-3	0.97	160	0.16	$Fe^{2+} = 1.5$

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

CLIENT: SME LOCATION: MIDTOWN WEST DATE: 3/10/14

WELL NO. MTWMW-10 WEATHER: Sunny ~60F SAMPLE TIME: 1400

REMARKS: _____ SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 14.1 ft. WELL DEPTH: 35.5 ft.

LENGTH OF SATURATED ZONE: 21.4 linear ft. ONE WELL VOLUME : 3.4 gals.

THREE WELL VOLUMES = 10.3 gals. ACTUAL VOLUME EVACUATED: 5 gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 25 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
1256	Pump On								
1300	21.25	6.44	9.7	0.232	22	3.24	155	0.15	
1320	20.97	5.93	6.1	0.227	102	1.93	155	0.16	
1330	21.37	5.93	6.1	0.226	113	1.86	155	0.16	
1340	21.42	5.93	6.2	0.227	118	1.86	155	0.16	
1350	21.13	5.93	6.2	0.229	123	1.90	155	0.16	
1355	21.51	5.93	6.3	0.228	125	1.90	155	0.16	
1400	21.58	5.93	6.3	0.227	125	1.88	155	0.16	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: GCAL, Atlanta, GA TRANSPORTER: GCAL

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

amec

GROUNDWATER SAMPLING LOG

CLIENT: SMF LOCATION: DOBBINS PROPERTY DATE: 3/13/14

WELL NO. DPMW-4I WEATHER: Sunny ~40F SAMPLE TIME: 1055

REMARKS: SAMPLER(S): DM

WELL PURGING: WELL DIAMETER: 2 in. STATIC WATER LEVEL: 17.2 ft. WELL DEPTH: 50 ft.

LENGTH OF SATURATED ZONE: 32.8 linear ft. ONE WELL VOLUME : 5.2 gals.

THREE WELL VOLUMES = 15.7 gals. ACTUAL VOLUME EVACUATED: _____ gals.

PURGE METHOD: Peristaltic DEPTH OF PUMP INTAKE: 45 ft

WELL PURGE DATA:

TIME	TEMP (C)	pH	TURB. (NTU)	COND. (mS/cm)	ORP (mV)	DO (ppm)	flow rate (ml/min)	draw down (ft)	COMMENTS
0858	Pump On								
0901	9.97	6.39	24	0.162	202	14.72	160	1'	slowed pump
0922	14.12	7.18	10.8	0.160	165	9.09	145	2'	
0932	14.46	7.29	12.1	0.153	151	8.08	145	2'	
0942	14.56	7.25	11.4	~~7.49~~	160	7.48	145	2'	
0952	14.44	7.13	10.0	~~7.12~~	138	6.79	145	2'	
1002	14.66	7.04	10.0	~~7.04~~ 0.192	137	~~7.59~~	145	2'	
1015	15.41	6.88	8.6	~~5.60~~	131	5.31	145	2'	
1025	15.50	6.80	8.0	0.203	129	4.60	145	2'	Fe^{2+} = 0.0

SAMPLE WITHDRAWL METHOD: _____

LABORATORY ANALYSIS, SAMPLE CONTAINERS USED INCLUDING NUMBER, TYPE, AND PRESERVATIVES:

_____

_____

SAMPLE ID NUMBER(s): _____

DECON METHOD: _____

PURGE WATER MANAGEMENT: _____

SAMPLES DELIVERED TO: **GCAL, Atlanta, GA** TRANSPORTER: **GCAL**

DATE: _____ TIME: _____

CASING CAPACITY (gallons/linear foot)

1"= 0.04, 2" = 0.16, 4" = 0.65, 6" = 1.47, 8" = 2.6, 10" = 4.08, 12" = 5.87

Low Flow Stabilization Parameters: pH(+/-0.1), Cond. (+/-3%), ORP (+/-10mV), D.O. (+/-10%), Turbidity (+/-10%)

APPENDIX D

Surface Water Sampling Field Notes

WOODALL CREEK STREAM SAMPLING 3/25/14

0830 D. Morris + Mark Andrews onsite.
0908 Collected SW sample S1 from creek. Sample time 0908. Depth ~1.5'. Clarity = clear.
0933 Collected S6. Sample time 0933. Depth ~3". Clear
0947 Collected S10. Sample time = 0947 Depth ~4'. Clear.
1000 Collected S9. Depth 4'. Clear
1009 Collected S11. Depth 2'. Clear.
1026 Collected S12 @ 1026. Depth = 6" clear
1032 Collected S13 Depth 6". Clear.
1042 Collected S14. Depth 6". Clear
DUP-6
1056 Collected S15. Depth 6". Clear
1105 Collected S16. Depth 1'. Clear Glossy sheen noted between S15 and S16.
1115 Collected S17. 6" clear
1125 Collected S18 6" clear
1230 GCAL onsite to get samples.
1245 All personnel offsite. End of day.

DM

APPENDIX E

IDW Waste manifests

A&D Environmental Services (GA), LLC

100 Waste Research Drive, Macon, GA 31206
478-788-8899 FAX: 478-788-7881

Reserved for Facility Use Approval Date: _____ By: _____ Expiration Date: _____

☐ Solidification ☐ Recovery **Profile Number:** _____

A. Billing Information

Company: A&D Environmental Services (GA), LLC Account #: _____
Address: 4943 Austin Park Avenue
City/State: Buford, GA Zip: 30518 Contact: Jeff Sturgeon
Phone: 678-714-8420 Fax: 678-714-8425

B. Generator Information/Location of Waste

Generator Name: Southern Metals Finishing Site Contact: James McClatchey
Address: 1581 Huber Street
City/State: Atlanta, GA Zip: 30318
Contact Phone: _____ EPD ID: _____
Type of Business: Metal finishing SIC Code: _____

C. Waste Description

Common Name of Waste: IDW Soil
Process Generating Waste: Investigative Derived Waste

D. Physical Properties

Physical State
☑ 100% Solid
☐ 100% Liquid
☐ Sludge
_____ % Free Liquid

Odor
☑ None
☐ Mild
☐ Strong
Describe: _____

Color
Describe: characteristic

Viscosity
☐ Low
☐ Medium
☐ High

Specific Gravity
_____ lb/gallon

Flash Point
☐ <73 F ☐ 140-199 F
☐ 73-99 F ☐ >199 F
☐ 100-139 F ☑ N/A

pH
☐ < 2 ☐ 9.1 - 12.4
☐ 2.1 - 4.9 ☐ > 12.5
☐ 5 - 9 ☑ N/A

Water
☐ < 5% ☐ 30-80%
☐ 5-10% ☐ 80-100%
☐ 10-30% ☑ N/A

Is this waste incompatibile with other material? ☑ No ☐ Yes If Yes, explain: _____

E. Volume

Anticipated Volume: 11
☑ Drums ☐ 5-Gallon ☐ 30-Gallon ☑ 55-Gallon ☐ Tote
☐ Bulk ☐ Tanker ☐ Pump Truck ☐ Other: _____

Estimated Frequency: ☐ Weekly ☐ Semimonthly ☐ Monthly ☐ Quarterly ☑ Other _____

F. Constituents

Total must be equal to 100%. All constituents, including debris must be identified.

Constituents	Actual %	Range
Soil	100%	
	100%	

G. Other Hazards

☐ Radioactive
☐ Water Reactive
☐ Oxidizer
☐ OSHA
☐ Carcinogen
☐ Explosive
☐ Pesticide
☐ Polymerizable
☐ Organic Peroxide
☐ Infectious
☐ Pyrophoric

H. Process Flow Chart

Using the space provided, draw a flow chart showing how waste is generated

I. Constituents

These values are based on ☐ Generator Knowledge ☑ Analytical Results

All analytical data provided relevant to this profile must be conducted by laboratories that have NELPA/NELAC accreditation.

Accreditation Number: NELAP 01955 Name: Gulf Coast Analytical Laboratories, Inc.

Address: 7979 Innovation Park Dr. Baton Rouge, LA 70820 Phone: _____

Inorganic Metals		Level	(mg/l)
D004	Arsenic	5.0	0
D005	Barium	100.0	0
D006	Cadmium	1.0	0
D007	Chromium	5.0	0
D008	Lead	5.0	0
D009	Mercury	0.2	0
D010	Selenium	1.0	0
D011	Silver	5.0	0

Other	Conc.
Ammonia	0
Phosphorus	0
Formaldehyde	0
Total Solids	0
PCBs	0
Copper	0
Nickel	0
Zinc	0

Pesticides/Herbicides		Level	(mg/l)
D012	Endrin		0
D013	Lindane		0
D014	Methoxychlor		0
D015	Toxaphene		0
D016	2,4-D		0
D017	2,4,5-TP		0
D020	Chlordane		0
D031	Heptachlor		0

Organic Volatile Compounds		Level	(mg/l)
D018	Benzene	0.5	0
D019	Carbon Tetrachloride	0.5	0
D021	Chlorobenzene	100.0	0
D022	Chloroform	6.0	0
D028	1,2-Dichloroethane	0.5	0
D029	1,1-Dichloroethylene	0.7	0
D035	Methyl Ethyl Ketone	200.0	0
D039	Tetrachloroethylene	0.7	0
D040	Trichloroethylene	0.5	0
D043	Vinyl Chloride	0.2	0

Semi-Volatile Compounds		Level	(mg/l)
D023	o-Cresol	200.0	0
D024	m-Cresol	200.0	0
D025	p-Cresol	200.0	0
D026	Cresol	200.0	0
D027	1,4-Dichlorobenzene	7.5	0
D030	2,4-Dinitrotoluene	0.13	0
D032	Hexachlorobenzene	0.13	0
D033	Hexachlorobutadiene	0.5	0
D034	Hexachloroethane	3.0	0
D036	Nitrobenzene	2.0	0
D037	Pentachlorophenol	100.0	0
D038	Pyridine	5.0	0
D041	2,4,5-Trichlorophenol	400.0	0
D042	2,4,6-Trichlorophenol	2.0	0

J. General Information

1 ☑ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group: _____

2 ☑ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?

3 ☑ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?

4 ☑ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at 40CFR262.11? (Attach Documentation)

5 ☑ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?

6 ☑ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?

7 ☑ No ☐ Yes Is this waste state regulated? If Yes, define: _____

8 ☐ No ☑ Yes Are Material Safety Data Sheets and/or all analytical data relevant to this profile data sheet attached?

9 ☑ No ☐ Yes Is this waste derived from an Investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☑ No If yes, sampled by: _____ Date: _____

L. Generator's Certification

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If A&D Environmental Services (GA), LLC discovers a discrepancy during the approval process, Generator grants A&D Environmental Services (GA), LLC the authority to amend the profile, as A&D Environmental Services (GA), LLC deems necessary, to reflect the discrepancy.

Generator Signature	Print Name	Date
James McClatchey	James McClatchey	3/14/14

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GA CESQG	1	770-547-4409	14121

GENERATOR

5. Generator's Name and Mailing Address: Southern Metals Finishing, 1581 Huber Street, Atlanta, GA 30318 (CR)
Generator's Site Address (if different than mailing address):
Generator's Phone: 404-355-1560

6. Transporter 1 Company Name: A&D Environmental Services (SC), LLC — U.S. EPA ID Number: SCD987599831

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: A&D Environmental Services (GA), LLC, 100 Waste Research Drive, Macon, GA 31206 — U.S. EPA ID Number: GAR000007484
Facility's Phone: 478-788-8899

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Regulated Material, Solid (IDW Soil) Approval #	011	DM	8,800	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: JAMES MCCAFFREY — Signature — Month: 03 — Day: 04 — Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Transporter 1				
Transporter 2				

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year

A&D Environmental Services (GA), LLC
100 Waste Research Drive, Macon, GA 31206
478-788-8899 FAX: 478-788-7881

Reserved for Facility Use Approval Date: _____ By: _____ Expiration Date: _____

☐ Solidification ☐ Recovery **Profile Number:** _____

A. Billing Information

Company: A&D Environmental Services (GA), LLC Account #: _____
Address: 4943 Austin Park Avenue
City/State: Buford, GA Zip: 30518 Contact: Jeff Sturgeon
Phone: 678-714-8420 Fax: 678-714-8425

B. Generator Information/Location of Waste

Generator Name: Southern Metals Finishing Site Contact: James McClatchey
Address: 1581 Huber Street
City/State: Atlanta, GA Zip: 30318
Contact Phone: _____ EPD ID: _____
Type of Business: Metal finishing SIC Code: _____

C. Waste Description

Common Name of Waste: IDW Water
Process Generating Waste: Investigative Derived Waste

D. Physical Properties

Physical State	Odor	Color	Viscosity	Specific Gravity
☐ 100% Solid	☑ None	Describe:	☐ Low	_____ lb/gallon
☑ 100% Liquid	☐ Mild	characteristic	☐ Medium	
☐ Sludge	☐ Strong		☐ High	
_____ % Free Liquid	Describe: _____			

Flash Point		pH		Water	
☐ <73 F	☐ 140-199 F	☐ < 2	☐ 9.1 - 12.4	☐ < 5%	☐ 30-80%
☐ 73-99 F	☑ >199 F	☐ 2.1 - 4.9	☐ > 12.5	☐ 5-10%	☑ 80-100%
☐ 100-139 F	☐ N/A	☑ 5 - 9	☐ N/A	☐ 10-30%	☐ N/A

Is this waste incompatibile with other material? ☑ No ☐ Yes If Yes, explain: _____

E. Volume

Anticipated Volume: 4 ☑ Drums ☐ 5-Gallon ☐ 30-Gallon ☑ 55-Gallon ☐ Tote ☐ Bulk ☐ Tanker ☐ Pump Truck ☐ Other: _____

Estimated Frequency: ☐ Weekly ☐ Semimonthly ☐ Monthly ☐ Quarterly ☑ Other _____

F. Constituents

Total must be equal to 100%. All constituents, including debris must be identified.

Constituents	Actual %	Range
Water	100%	
	100%	

G. Other Hazards

☐ Radioactive
☐ Water Reactive
☐ Oxidizer
☐ OSHA
☐ Carcinogen
☐ Explosive
☐ Pesticide
☐ Polymerizable
☐ Organic Peroxide
☐ Infectious
☐ Pyrophoric

H. Process Flow Chart

Using the space provided, draw a flow chart showing how waste is generated

I. Constituents

These values are based on ☐ Generator Knowledge ☑ Analytical Results

All analytical data provided relevant to this profile must be conducted by laboratories that have NELPA/NELAC accreditation.

Accreditation Number: NELAP 01955 Name: Gulf Coast Analytical Laboratories, Inc.

Address: 7979 Innovation Park Dr. Baton Rouge, LA 70820 Phone:

Inorganic

Metals		Level	(mg/l)
D004	Arsenic	5.0	0
D005	Barium	100.0	0
D006	Cadmium	1.0	0
D007	Chromium	5.0	0
D008	Lead	5.0	0
D009	Mercury	0.2	0
D010	Selenium	1.0	0
D011	Silver	5.0	0

Other	Conc.
Ammonia	0
Phosphorus	0
Formaldehyde	0
Total Solids	0
PCBs	0
Copper	0
Nickel	0
Zinc	0

Pesticides/Herbicides		Level	(mg/l)
D012	Endrin		0
D013	Lindane		0
D014	Methoxychlor		0
D015	Toxaphene		0
D016	2,4-D		0
D017	2,4,5-TP		0
D020	Chlordane		0
D031	Heptachlor		0

Organic

Volatile Compounds		Level	(mg/l)
D018	Benzene	0.5	0
D019	Carbon Tetrachloride	0.5	0
D021	Chlorobenzene	100.0	0
D022	Chloroform	6.0	0
D028	1,2-Dichloroethane	0.5	0
D029	1,1-Dichloroethylene	0.7	0
D035	Methyl Ethyl Ketone	200.0	0
D039	Tetrachloroethylene	0.7	0
D040	Trichloroethylene	0.5	0
D043	Vinyl Chloride	0.2	0

Semi-Volatile Compounds		Level	(mg/l)
D023	o-Cresol	200.0	0
D024	m-Cresol	200.0	0
D025	p-Cresol	200.0	0
D026	Cresol	200.0	0
D027	1,4-Dichlorobenzene	7.5	0
D030	2,4-Dinitrotoluene	0.13	0
D032	Hexachlorobenzene	0.13	0
D033	Hexachlorobutadiene	0.5	0
D034	Hexachloroethane	3.0	0
D036	Nitrobenzene	2.0	0
D037	Pentachlorophenol	100.0	0
D038	Pyridine	5.0	0
D041	2,4,5-Trichlorophenol	400.0	0
D042	2,4,6-Trichlorophenol	2.0	0

J. General Information

1 ☑ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group:

2 ☑ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?

3 ☑ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?

4 ☑ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardous Waste Determination prescribed at 40CFR262.11? (Attach Documentation)

5 ☑ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?

6 ☑ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?

7 ☑ No ☐ Yes Is this waste state regulated? If Yes, define:

8 ☐ No ☑ Yes Are Material Safety Data Sheets and/or all analytical data relevant to this profile data sheet attached?

9 ☑ No ☐ Yes Is this waste derived from an Investigation of an Underground Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☑ No If yes, sampled by: Date:

L. Generator's Certification

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If A&D Environmental Services (GA), LLC discovers a discrepancy during the approval process, Generator grants A&D Environmental Services (GA), LLC the authority to amend the profile, as A&D Environmental Services (GA), LLC deems necessary, to reflect the discrepancy.

Generator Signature	Print Name	Date
Jim Clatchey	John James McClatchey	4-9-14

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GA CESQG
2. Page 1 of: 1
3. Emergency Response Phone: 770-547-1402
4. Waste Tracking Number: 14121

5. Generator's Name and Mailing Address: Southern Metals Finishing, 1681 Hubert Street, Atlanta GA 30318
Generator's Site Address (if different than mailing address):
Generator's Phone: 404-352-1560

6. Transporter 1 Company Name: A&D Environmental Services (SC), LLC
U.S. EPA ID Number: SCD988759883

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: A&D Environmental Services (GA), LLC, 1000 Waste Research Drive, Mecon, GA 31206
U.S. EPA ID Number: GAR000007484
Facility's Phone: 478-788-9999

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Material Solid (DW Soil) Approval #10148	001	DM	5.800	P
2. NON-Regulated Material, Liquid Lacatery Approval #10148	003	DM	165	G
3.				
4.				

13. Special Handling Instructions and Additional Information
14077

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: JAMES MCCARTNEY
Signature:
Month: 03 Day: 14 Year: 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month: 04 Day: 15 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Marc R Kruse
Signature:
Month: 04 Day: 16 Year: 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/03/2014

GCAL Report 214022134

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Southern Metals Finishing

CASE NARRATIVE

Client: AMEC **Report:** 214022134

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 1311/8260B analysis for analytical batch 526602, the MS/MSD exhibited RPD failures. All LCS/LCSD recoveries and RPDs are acceptable.

In the EPA 1311/8260B analysis, a dilution factor of 40 was performed for sample 21402213401 (SOIL IDW). The reporting limits are at or below the regulatory limits at this dilution.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Authorized Signature
GCAL REPORT 214022134

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21402213401	SOIL IDW	Solid	02/18/2014 10:35	02/21/2014 10:15

Summary of Compounds Detected

There were no detects

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21402213401	**SOIL IDW**	Solid	02/18/2014 10:35	02/21/2014 10:15

EPA 1311/8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
02/25/2014 09:30	526219	EPA 1311(TCLP)	40	02/28/2014 17:45	CLH	526602

CAS#	Parameter	Result	RDL	REG LIMIT	Units
75-35-4	1,1-Dichloroethene	ND	0.040	0.700	mg/L
107-06-2	1,2-Dichloroethane	ND	0.040	0.500	mg/L
78-93-3	2-Butanone	ND	1.00	200	mg/L
71-43-2	Benzene	ND	0.040	0.500	mg/L
56-23-5	Carbon tetrachloride	ND	0.040	0.500	mg/L
108-90-7	Chlorobenzene	ND	0.040	100	mg/L
67-66-3	Chloroform	ND	0.040	6.00	mg/L
127-18-4	Tetrachloroethene	ND	0.040	0.700	mg/L
79-01-6	Trichloroethene	ND	0.040	0.500	mg/L
75-01-4	Vinyl chloride	ND	0.040	0.200	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2000	2050	ug/L	103	62 - 130
1868-53-7	Dibromofluoromethane	2000	1970	ug/L	99	65 - 127
2037-26-5	Toluene d8	2000	2050	ug/L	103	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	2030	ug/L	102	62 - 127

RESULTS REPORTED ON A WET WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 526602	**Client ID**	MB526602	LCS526602	LCSD526602	
Prep Batch N/A	**GCAL ID**	1288234	1288235	1288236	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	02/28/2014 12:19	02/28/2014 10:50	02/28/2014 11:16	
	Matrix	Water	Water	Water	

EPA 1311/8260B		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
		Result	**RDL**	**Added**							
56-23-5	Carbon tetrachloride	ND	0.00100	0.050	0.055	109	76 - 128	0.051	103	6	30
67-66-3	Chloroform	ND	0.00100	0.050	0.048	96	75 - 122	0.047	94	2	30
107-06-2	1,2-Dichloroethane	ND	0.00100	0.050	0.047	95	71 - 129	0.048	97	2	30
78-93-3	2-Butanone	ND	0.025	0.050	0.048	95	58 - 137	0.047	95	0	30
127-18-4	Tetrachloroethene	ND	0.00100	0.050	0.053	106	68 - 128	0.049	98	8	30
75-01-4	Vinyl chloride	ND	0.00100	0.050	0.052	104	68 - 132	0.047	95	9	30
75-35-4	1,1-Dichloroethene	ND	0.00100	0.050	0.052	105	69 - 129	0.051	101	3	30
71-43-2	Benzene	ND	0.00100	0.050	0.051	101	70 - 129	0.049	98	4	30
79-01-6	Trichloroethene	ND	0.00100	0.050	0.053	107	76 - 129	0.051	102	5	30
108-90-7	Chlorobenzene	ND	0.00100	0.050	0.050	100	74 - 123	0.048	95	5	30
Surrogate											
460-00-4	4-Bromofluorobenzene	50.2	100	50	52	104	62 - 130	50.2	100		
1868-53-7	Dibromofluoromethane	50.5	101	50	50.3	101	65 - 127	51.4	103		
2037-26-5	Toluene d8	51	102	50	49.4	99	71 - 134	50.5	101		
17060-07-0	1,2-Dichloroethane-d4	50.7	101	50	50.2	100	62 - 127	48.8	98		

Analytical Batch 526602	**Client ID**	IDW022414	1287420MS	1287420MSD	
Prep Batch N/A	**GCAL ID**	21402255501	1288409	1288410	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	02/28/2014 13:01	02/28/2014 14:06	02/28/2014 14:29	
	Matrix	Water	Water	Water	

EPA 1311/8260B		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
		Result	**RDL**	**Added**							
56-23-5	Carbon tetrachloride	0.00	0.040	2.00	1.84	92	76 - 128	2.35	118	24	30
67-66-3	Chloroform	0.00	0.040	2.00	1.72	86	75 - 122	2.18	109	24	30
107-06-2	1,2-Dichloroethane	0.00	0.040	2.00	1.72	86	71 - 129	2.21	111	25	30
78-93-3	2-Butanone	0.00	1.00	2.00	1.77	89	58 - 137	2.47	124	**33***	30
127-18-4	Tetrachloroethene	0.00	0.040	2.00	1.78	89	68 - 128	2.13	107	18	30
75-01-4	Vinyl chloride	0.00	0.040	2.00	1.75	88	68 - 132	2.44	122	**33***	30
75-35-4	1,1-Dichloroethene	0.00	0.040	2.00	1.87	94	69 - 129	2.30	115	21	30
71-43-2	Benzene	0.00	0.040	2.00	1.83	92	70 - 129	2.28	114	22	30
79-01-6	Trichloroethene	0.00	0.040	2.00	1.86	93	76 - 129	2.34	117	23	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	526602	**Client ID**	IDW022414	1287420MS	1287420MSD
Prep Batch	N/A	**GCAL ID**	21402255501	1288409	1288410
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	02/28/2014 13:01	02/28/2014 14:06	02/28/2014 14:29
		Matrix	Water	Water	Water

EPA 1311/8260B		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
108-90-7	Chlorobenzene	0.00	0.040	2.00	1.77	89	74 - 123	2.17	109	20	30
Surrogate											
460-00-4	4-Bromofluorobenzene			2000	2040	102	62 - 130	2020	101		
1868-53-7	Dibromofluoromethane			2000	2010	101	65 - 127	2020	101		
2037-26-5	Toluene d8			2000	2020	101	71 - 134	1980	99		
17060-07-0	1,2-Dichloroethane-d4			2000	2030	102	62 - 127	2020	101		

Analytical Batch	526602	**Client ID**	SS-008 ROLLOFF 2242014	1287473MS
Prep Batch	N/A	**GCAL ID**	21402260101	1288411
		Sample Type	SAMPLE	MS
		Analytical Date	02/28/2014 13:22	02/28/2014 14:51
		Matrix	Solid	Solid

EPA 1311/8260B		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
56-23-5	Carbon tetrachloride	0.00	0.040	2.00	2.13	107	76 - 128
67-66-3	Chloroform	0.00	0.040	2.00	2.03	102	75 - 122
107-06-2	1,2-Dichloroethane	0.00	0.040	2.00	1.91	96	71 - 129
78-93-3	2-Butanone	0.00	1.00	2.00	1.70	85	58 - 137
127-18-4	Tetrachloroethene	0.00	0.040	2.00	2.03	102	68 - 128
75-01-4	Vinyl chloride	0.00	0.040	2.00	2.08	104	68 - 132
75-35-4	1,1-Dichloroethene	0.00	0.040	2.00	2.19	110	69 - 129
71-43-2	Benzene	0.00	0.040	2.00	2.03	102	70 - 129
79-01-6	Trichloroethene	0.00	0.040	2.00	2.05	103	76 - 129
108-90-7	Chlorobenzene	0.00	0.040	2.00	1.98	99	74 - 123
Surrogate							
460-00-4	4-Bromofluorobenzene			2000	2020	101	62 - 130
1868-53-7	Dibromofluoromethane			2000	2010	101	65 - 127
2037-26-5	Toluene d8			2000	1980	99	71 - 134
17060-07-0	1,2-Dichloroethane-d4			2000	2000	100	62 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 526602	**Client ID**	VB-012529	1287713MS	
Prep Batch N/A	**GCAL ID**	21402264901	1288412	
	Sample Type	SAMPLE	MS	
	Analytical Date	02/28/2014 13:43	02/28/2014 15:12	
	Matrix	Solid	Solid	

EPA 1311/8260B		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
56-23-5	Carbon tetrachloride	0.00	0.040	2.00	2.12	106	76 - 128
67-66-3	Chloroform	0.00	0.040	2.00	1.99	100	75 - 122
107-06-2	1,2-Dichloroethane	0.00	0.040	2.00	1.94	97	71 - 129
78-93-3	2-Butanone	0.364	1.00	2.00	2.22	93	58 - 137
127-18-4	Tetrachloroethene	0.00	0.040	2.00	1.92	96	68 - 128
75-01-4	Vinyl chloride	0.00	0.040	2.00	1.84	92	68 - 132
75-35-4	1,1-Dichloroethene	0.00	0.040	2.00	2.04	102	69 - 129
71-43-2	Benzene	0.00	0.040	2.00	2.02	101	70 - 129
79-01-6	Trichloroethene	0.00	0.040	2.00	2.01	101	76 - 129
108-90-7	Chlorobenzene	0.00	0.040	2.00	1.98	99	74 - 123
Surrogate							
460-00-4	4-Bromofluorobenzene			2000	1970	99	62 - 130
1868-53-7	Dibromofluoromethane			2000	1970	99	65 - 127
2037-26-5	Toluene d8			2000	2000	100	71 - 134
17060-07-0	1,2-Dichloroethane-d4			2000	1980	99	62 - 127

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4808 - AMEC
SDG: 214022134
Due Date: 03/04/14

Report to:
Client: AMEC E&I
Address: 396 Plasters Ave NE
Atlanta, GA 30324
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address:
DEFAULT
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Southern Metals Finishing
Sampled By: Daniel Morris

Analytical Requests & Method: TCLP VOCs

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 4.6 5.24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	4°C	Preservative
S	2/18	1035	x		Soil IDW	4	x	1

2/18/14

Air Bill No:

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	2/18/14	1035	HUGO AMEC	2/18/14	10:35
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	2/21/14	1015		2/21/14	1015

Note: 7979-6358-5200

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214022134

SAMPLE DELIVERY GROUP 214022134	
Client 4808 - AMEC	**Transport Method** FEDEX
Profile Number 248872	**Received By** Brown, Aaron D.
Line Item(s) 1 - Water IDW	**Receive Date(s)** 02/21/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☐	☐	☑
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7979 6358 5200		4.6

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

APPENDIX F

Surface Water Laboratory Analytical Reports

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/21/2014

GCAL Report 214031107

Deliver To	AMEC Env & Infra Inc 1075 Big Shanty Road NW Suite 100 Kennesaw, GA 30144 (770) 421-3419
Attn	Jerry Gaccetta

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031107

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403110705 (RPMW-14), 21403110706 (RPMW-24), 21403110710 (GPMW-19) and 21403110708 (GPMW-18) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

In the EPA 8260B analysis for analytical batch 527338, the LCS and/or LCSD recoveries are above the upper control limit for Bromomethane. This compound was not detected in the associated samples.

In the EPA 8260B analysis for analytical batch 527415, the LCS/LCSD RPD is above the control limit for 1 and1-Dichloroethane.

VOLATILES GAS CHROMATOGRAPHY

In the RSK-175 analysis, samples 21403110701 (MTWMW-7), 21403110702 (MTWMW-7I) and 21403110710 (GPMW-19) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument.

CONVENTIONALS

The assigned MS/MSD for HBN 527321 exhibited a TC value above the working range of the calibration. The TOC value for the assigned MS/MSD was within the working range of the calibration. The MS/MSD could not be reanalyzed due to insufficient sample volume.

In the EPA 9056A analysis, samples 21403110706 (RPMW-24), 21403110701 (MTWMW-7), 21403110702 (MTWMW-7I), 21403110703 (MTWMW-10), 21403110704 (RPMW-2), 21403110705 (RPMW-14), 21403110707 (GPMW-20), 21403110708 (GPMW-18), 21403110709 (GPMW-11) and 21403110710 (GPMW-19) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

Sample 21403110711 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager after receipt

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031107

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	MTWMW-7	Water	03/10/2014 10:30	03/11/2014 09:45
21403110702	MTWMW-7I	Water	03/10/2014 12:03	03/11/2014 09:45
21403110703	MTWMW-10	Water	03/10/2014 14:00	03/11/2014 09:45
21403110704	RPMW-2	Water	03/10/2014 10:25	03/11/2014 09:45
21403110705	RPMW-14	Water	03/10/2014 13:00	03/11/2014 09:45
21403110706	RPMW-24	Water	03/10/2014 15:20	03/11/2014 09:45
21403110707	GPMW-20	Water	03/10/2014 09:57	03/11/2014 09:45
21403110708	GPMW-18	Water	03/10/2014 11:33	03/11/2014 09:45
21403110709	GPMW-11	Water	03/10/2014 12:57	03/11/2014 09:45
21403110710	GPMW-19	Water	03/10/2014 14:18	03/11/2014 09:45
21403110711	TRIP BLANK	Water	03/10/2014 00:00	03/11/2014 09:45

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	6.32	1.00	0.087	ug/L
74-85-1	Ethene	1.34	1.00	0.071	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	1.71J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	5.15	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	33.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	34.1	5.00	0.161	ug/L
75-01-4	Vinyl chloride	23.2	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	49.4	5.00	0.103	ug/L
156-60-5	trans-1,2-Dichloroethene	1.05J	5.00	0.077	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	3800	200	43.5	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	9.20	1.00	0.250	mg/L
14808-79-8	Sulfate	14.6	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.142J	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.99	1.00	0.087	ug/L
74-85-1	Ethene	0.981J	1.00	0.071	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.933J	5.00	0.123	ug/L
75-34-3	1,1-Dichloroethane	1.86J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	8.58	5.00	0.208	ug/L
67-66-3	Chloroform	0.394J	5.00	0.155	ug/L
108-87-2	Methylcyclohexane	0.676J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	82.9	5.00	0.193	ug/L
79-01-6	Trichloroethene	64.1	5.00	0.161	ug/L
75-01-4	Vinyl chloride	16.7	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	43.0	5.00	0.103	ug/L
156-60-5	trans-1,2-Dichloroethene	0.799J	5.00	0.077	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.2	1.00	0.250	mg/L
14808-79-8	Sulfate	32.1	1.00	0.250	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	2360	200	43.5	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.06	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.544J	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.854J	5.00	0.155	ug/L
110-82-7	Cyclohexane	0.971J	5.00	0.337	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.727J	5.00	0.130	ug/L
108-87-2	Methylcyclohexane	1.36J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	61.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	12.6	5.00	0.161	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
1330-20-7	Xylene (total)	6.30J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	1.57J	5.00	0.103	ug/L
95-47-6	o-Xylene	6.30	5.00	0.055	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	13.1	2.00	0.500	mg/L
14808-79-8	Sulfate	41.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.139J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.68J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.769J	5.00	0.161	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.23	1.00	0.250	mg/L
14808-79-8	Sulfate	10.6	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.895	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	24.8	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.359J	10.0	0.222	ug/L
127-18-4	Tetrachloroethene	190	10.0	0.385	ug/L
79-01-6	Trichloroethene	72.6	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	0.556J	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.5	2.00	0.500	mg/L
14808-79-8	Sulfate	17.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	25.6	2.00	0.500	mg/L
14797-55-8	Nitrate	6.24	2.00	0.500	mg/L
14808-79-8	Sulfate	46.5	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	1.65J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	516	25.0	0.963	ug/L
79-01-6	Trichloroethene	208	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	23.5J	25.0	0.517	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.52	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.451J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	30.0	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.05J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	6.22	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	26.1	2.00	0.500	mg/L
14808-79-8	Sulfate	18.4	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.18	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.734J	10.0	0.416	ug/L
67-66-3	Chloroform	2.31J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	261	10.0	0.385	ug/L
79-01-6	Trichloroethene	51.7	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	106	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	1.63J	10.0	0.154	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.20	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.6	2.00	0.500	mg/L
14808-79-8	Sulfate	11.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.00	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.2	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.926J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.180J	5.00	0.083	ug/L
67-66-3	Chloroform	4.18J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	18.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.389J	5.00	0.103	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.60	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.1	2.00	0.500	mg/L
14808-79-8	Sulfate	27.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.39	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.62J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	306	25.0	0.963	ug/L
79-01-6	Trichloroethene	131	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	164	25.0	0.517	ug/L
156-60-5	trans-1,2-Dichloroethene	1.96J	25.0	0.385	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**205**	**20.0**	**4.35**	**ug/L**

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**7.44**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**1.71J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**5.15**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**33.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**34.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**23.2**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**49.4**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.05J**	**5.00**	**0.077**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:07	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**6.32**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**1.34**	**1.00**	**0.071**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.4	ug/L	68	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	03/18/2014 15:13	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**3800**	**200**	**43.5**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:25	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 14:54	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 20:29	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**9.20**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**14.6**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:42	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**0.933J**	**5.00**	**0.123**	**ug/L**
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**1.86J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**8.58**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.394J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**0.676J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**82.9**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**64.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**16.7**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**43.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:42	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.799J**	**5.00**	**0.077**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.9	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:21	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.99**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**0.981J**	**1.00**	**0.071**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.3	ug/L	62	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	03/18/2014 15:31	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**2360**	**200**	**43.5**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:57	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 15:29	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.142J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 20:46	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.2**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**32.1**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:02	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.854J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	**Cyclohexane**	**0.971J**	**5.00**	**0.337**	**ug/L**
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	**Isopropylbenzene (Cumene)**	**0.727J**	**5.00**	**0.130**	**ug/L**
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**1.36J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**61.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**12.6**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**6.30J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.57J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	**o-Xylene**	**6.30**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:02	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.2	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	49.2	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:40	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.544J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.6	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:25	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 15:47	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.06**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 21:39	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**13.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**41.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.68J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.769J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.6	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	47.5	ug/L	95	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.8	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:47	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.3	ug/L	62	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:51	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:05	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.139J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:57	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.23**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**10.6**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/11/2014 19:39	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	**Benzene**	**0.359J**	**10.0**	**0.222**	**ug/L**
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**190**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**72.6**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.556J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/11/2014 19:39	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	93.1	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	100	96.9	ug/L	97	77 - 127
2037-26-5	Toluene d8	100	100	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:53	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**24.8**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.6	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 19:18	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:22	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.895**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:14	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.5**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**17.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:23	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**1.65J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**516**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**208**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**23.5J**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:23	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	246	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	250	242	ug/L	97	77 - 127
2037-26-5	Toluene d8	250	251	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	254	ug/L	102	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:00	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.8	ug/L	76	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 19:46	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:32	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**25.6**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**6.24**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:32	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 22:19	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.451J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**30.0**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.05J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**6.22**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 22:19	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	52.7	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:06	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	34.9	ug/L	86	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 20:21	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:57	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.52**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:50	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**26.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**18.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/12/2014 22:45	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	**1,1-Dichloroethene**	**0.734J**	**10.0**	**0.416**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.31J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**261**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**51.7**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**106**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/12/2014 22:45	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.63J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	97	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	100	102	ug/L	102	77 - 127
2037-26-5	Toluene d8	100	107	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	98.4	ug/L	98	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:14	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.8	ug/L	79	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 20:47	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.20**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:15	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.18**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:07	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.6**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**11.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 21:43	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.926J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.180J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**4.18J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**18.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.389J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 21:43	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	48.6	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:20	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.5	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 22:39	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.2**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.60**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:08	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.00**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:25	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**27.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 22:05	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**3.62J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**306**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**131**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**164**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 22:05	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.96J**	**25.0**	**0.385**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	244	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	250	244	ug/L	98	77 - 127
2037-26-5	Toluene d8	250	250	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	247	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:26	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.3	ug/L	77	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/18/2014 16:32	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**205**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 23:08	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:25	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.39**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:43	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**7.44**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110711	**TRIP BLANK**	Water	03/10/2014 00:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:55	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110711	**TRIP BLANK**	Water	03/10/2014 00:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:55	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.1	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	51.4	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	53.4	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527338	**Client ID**	MB527338	LCS527338	LCSD527338
Prep Batch N/A	**GCAL ID**	1291306	1291307	1291308
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/11/2014 17:02	03/11/2014 15:40	03/11/2014 16:00
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	49.1	98	44 - 156	48.5	97	1	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	48.8	98	74 - 125	47.2	94	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.3	101	64 - 122	50.8	102	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	71.6	**143***	47 - 138	68.1	136	5	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	51.2	102	69 - 136	48.8	98	5	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.0	102	76 - 128	49.7	99	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	47.9	96	62 - 141	45.0	90	6	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	98.7	99	74 - 126	94.9	95	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.6	95	75 - 122	45.9	92	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	53.2	106	59 - 132	48.7	97	9	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.6	101	71 - 123	49.9	100	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	53.1	106	58 - 140	50.7	101	5	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	48.5	97	74 - 127	46.4	93	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	48.3	97	71 - 129	48.0	96	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	48.8	98	73 - 130	46.4	93	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	49.1	98	69 - 132	47.5	95	3	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	45.9	92	68 - 132	44.7	89	3	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.5	99	72 - 128	47.4	95	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.6	101	71 - 132	48.5	97	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	52.3	105	71 - 131	49.8	100	5	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	49.1	98	74 - 126	47.6	95	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	52.2	104	50 - 135	53.3	107	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	49.8	100	71 - 125	47.7	95	4	30
78-93-3	2-Butanone	0.142U	0.142	50.0	51.0	102	58 - 137	48.4	97	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	53.4	107	57 - 132	51.9	104	3	30
100-42-5	Styrene	0.089U	0.089	50.0	50.6	101	71 - 127	49.7	99	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	49.5	99	68 - 128	48.1	96	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.4	97	70 - 122	47.8	96	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	47.9	96	61 - 135	45.1	90	6	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.1	102	76 - 126	47.5	95	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.4	97	72 - 121	47.7	95	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	51.6	103	72 - 136	48.4	97	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	51.3	103	68 - 132	47.7	95	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527338	**Client ID**	MB527338			LCS527338				LCSD527338		
Prep Batch	N/A	**GCAL ID**	1291306			1291307				1291308		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/11/2014 17:02			03/11/2014 15:40				03/11/2014 16:00		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	49.4	99	73 -	130	47.8	96	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	54.0	108	57 -	121	52.0	104	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.7	99	70 -	124	49.3	99	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	59.2	118	54 -	147	55.0	110	7	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	49.3	99	71 -	125	48.8	98	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	148	99	74 -	127	143	95	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.3	103	67 -	138	48.2	96	6	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.9	106	69 -	132	50.6	101	4	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	53.9	108	57 -	139	50.3	101	7	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.5	105	72 -	136	50.6	101	4	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	56.9	114	56 -	124	58.9	118	3	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	47.4	95	74 -	126	46.7	93	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	47.2	94	72 -	122	45.2	90	4	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	48.1	96	71 -	126	46.4	93	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.1	102	69 -	129	47.2	94	8	20
71-43-2	Benzene	0.111U	0.111	50.0	49.7	99	70 -	129	47.1	94	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	48.6	97	76 -	129	45.6	91	6	20
108-88-3	Toluene	0.122U	0.122	50.0	48.8	98	72 -	120	46.9	94	4	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	47.9	96	74 -	123	47.1	94	2	20
Surrogate												
460-00-4	4-Bromofluorobenzene	48.8	98	50	49.3	99	78 -	130	50.3	101		
1868-53-7	Dibromofluoromethane	47.7	95	50	50.3	101	77 -	127	50	100		
2037-26-5	Toluene d8	50.2	100	50	49.9	100	76 -	134	50.5	101		
17060-07-0	1,2-Dichloroethane-d4	49.9	100	50	50.7	101	71 -	127	50.4	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527415	**Client ID**	MB527415	LCS527415	LCSD527415
Prep Batch N/A	**GCAL ID**	1291662	1291663	1291664
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/12/2014 19:57	03/12/2014 18:22	03/12/2014 18:46
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	50.1	100	44 - 156	51.2	102	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.2	102	74 - 125	50.2	100	2	30
75-25-2	Bromoform	0.215U	0.215	50.0	49.7	99	64 - 122	52.1	104	5	30
74-83-9	Bromomethane	0.427U	0.427	50.0	50.3	101	47 - 138	48.7	97	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	44.9	90	69 - 136	43.0	86	4	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	50.6	101	76 - 128	48.7	97	4	30
75-00-3	Chloroethane	0.235U	0.235	50.0	44.1	88	62 - 141	43.6	87	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	102	102	74 - 126	99.2	99	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	48.8	98	75 - 122	47.9	96	2	30
74-87-3	Chloromethane	0.144U	0.144	50.0	58.2	116	59 - 132	54.7	109	6	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	49.7	99	71 - 123	50.0	100	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.3	105	58 - 140	48.6	97	7	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	62.5	125	74 - 127	45.0	90	33*	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	48.4	97	71 - 129	48.2	96	0	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	52.9	106	73 - 130	51.3	103	3	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	49.3	99	69 - 132	44.0	88	11	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	45.7	91	68 - 132	45.1	90	1	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	52.9	106	72 - 128	51.6	103	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.0	98	71 - 132	48.7	97	1	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	47.6	95	71 - 131	48.6	97	2	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	52.7	105	74 - 126	50.9	102	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	46.9	94	50 - 135	51.6	103	10	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	52.6	105	71 - 125	50.7	101	4	30
78-93-3	2-Butanone	0.142U	0.142	50.0	47.7	95	58 - 137	53.2	106	11	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	49.0	98	57 - 132	53.9	108	10	30
100-42-5	Styrene	0.089U	0.089	50.0	53.0	106	71 - 127	51.9	104	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	55.1	110	68 - 128	53.4	107	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	55.5	111	70 - 122	56.5	113	2	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	52.2	104	61 - 135	50.9	102	3	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.1	102	76 - 126	48.7	97	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.5	97	72 - 121	49.8	100	3	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	45.5	91	72 - 136	42.8	86	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	60.1	120	68 - 132	50.1	100	18	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527415	**Client ID**	MB527415	LCS527415	LCSD527415
Prep Batch N/A	**GCAL ID**	1291662	1291663	1291664
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/12/2014 19:57	03/12/2014 18:22	03/12/2014 18:46
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	51.4	103	73 - 130	50.3	101	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	47.2	94	57 - 121	50.7	101	7	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.6	101	70 - 124	53.1	106	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	41.6	83	54 - 147	41.6	83	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	46.9	94	71 - 125	46.4	93	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	153	102	74 - 127	150	100	2	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	58.9	118	67 - 138	53.0	106	11	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	57.5	115	69 - 132	53.8	108	7	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	46.7	93	57 - 139	42.9	86	8	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	45.7	91	72 - 136	42.5	85	7	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	38.6	77	56 - 124	47.5	95	21	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.7	105	74 - 126	50.2	100	5	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.2	102	72 - 122	48.6	97	5	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	53.0	106	71 - 126	50.8	102	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	44.2	88	69 - 129	42.5	85	4	20
71-43-2	Benzene	0.111U	0.111	50.0	53.1	106	70 - 129	51.5	103	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.5	99	76 - 129	46.9	94	5	20
108-88-3	Toluene	0.122U	0.122	50.0	50.6	101	72 - 120	49.9	100	1	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.0	98	74 - 123	48.1	96	2	20
Surrogate											
460-00-4	4-Bromofluorobenzene	48.1	96	50	53.9	108	78 - 130	54.5	109		
1868-53-7	Dibromofluoromethane	50.8	102	50	49.6	99	77 - 127	49.2	98		
2037-26-5	Toluene d8	52.5	105	50	47.9	96	76 - 134	48.1	96		
17060-07-0	1,2-Dichloroethane-d4	51.3	103	50	48.8	98	71 - 127	51.1	102		

General Chromatography Quality Control Summary

Analytical Batch	527821	**Client ID**	MB527821	LCS527821	LCSD527821
Prep Batch	N/A	**GCAL ID**	1293734	1293735	1293856
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	03/18/2014 14:43	03/18/2014 14:49	03/18/2014 14:55
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.3	93	39 - 120	16.9	97	4	27
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134	3.26	107	5	25
74-84-0	Ethane	0.087U	0.087	3.28	3.19	97	45 - 128	3.39	103	6	29
Surrogate											
115-07-1	Propene	27.4	68	40.5	26.8	66	40 - 143	28.2	70		

General Chemistry Quality Control Summary

Analytical Batch	527321	**Client ID**	MB527321			LCS527321		
Prep Batch	N/A	**GCAL ID**	1291204			1291205		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/11/2014 15:58			03/11/2014 14:53		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	47.5	95	80 - 120	

Analytical Batch	527321	**Client ID**	MTWMW-7			1291080MS			1291080MSD			
Prep Batch	N/A	**GCAL ID**	21403110701			1291206			1291207			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/11/2014 16:25			03/11/2014 17:00			03/11/2014 17:28			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.30	50.0	53.6	107	75 - 125	47.5	95	12	25	

General Chemistry Quality Control Summary

Analytical Batch	527403	Client ID	MB527403		LCS527403		
Prep Batch	N/A	GCAL ID	1291539		1291540		
		Sample Type	Method Blank		LCS		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	26.5	106	80 - 120

Analytical Batch	527403	Client ID	GPMW-20		1291086MS		
Prep Batch	N/A	GCAL ID	21403110707		1291541		
		Sample Type	SAMPLE		MS		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	25.1	100	75 - 125

Analytical Batch	527403	Client ID	RPMW-2		1291083DUP		
Prep Batch	N/A	GCAL ID	21403110704		1291542		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch 527309	**Client ID**	MB527309			LCS527309		
Prep Batch N/A	**GCAL ID**	1291131			1291132		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/11/2014 14:19			03/11/2014 14:01		
	Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
16887-00-6	Chloride	0.050U	0.050	2.50	2.27	91	80 - 120
14797-55-8	Nitrate	0.050U	0.050	2.50	2.34	94	80 - 120
14808-79-8	Sulfate	0.050U	0.050	2.50	2.45	98	80 - 120

Analytical Batch 527309	**Client ID**	VA-75			1291124MS			1291124MSD			
Prep Batch N/A	**GCAL ID**	21403111501			1291133			1291134			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/11/2014 12:33			03/11/2014 12:51			03/11/2014 13:08			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14808-79-8	Sulfate	31.3	0.250	12.5	44.5	106	80 - 120	44.9	109	1	15

Analytical Batch 527309	**Client ID**	GPMW-19			1291089MS			1291089MSD			
Prep Batch N/A	**GCAL ID**	21403110710			1291135			1291136			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/11/2014 23:43			03/12/2014 00:00			03/12/2014 00:18			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.8	0.500	25.0	46.0	97	80 - 120	45.9	96	0	15
14808-79-8	Sulfate	7.44	0.500	25.0	33.2	103	80 - 120	33.4	104	1	15

General Chemistry Quality Control Summary

Analytical Batch 527309		**Client ID**	GPMW-19			1291089MS			1291089MSD		
Prep Batch N/A		**GCAL ID**	21403110710			1291135			1291136		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/11/2014 18:25			03/11/2014 18:43			03/11/2014 19:01		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.39	0.050	2.50	3.76	95	80 - 120	3.79	96	1	15

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
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Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031107
Due Date: 03/20/14

Report to:
Client: AMEC E&I, Inc.
Address: 396 Plasters Ave NE Atlanta, GA
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris, Tela ~~Donegan~~ Moricski, Mark Andrews

Analytical Requests & Method: VOCs 8260B; TOC; Methane/Ethane/Ethene; Chloride/Sulfate; *NITRATE*; Sulfide

GCAL use only:
Custody Seal used ☑ yes ☐ no; intact ☑ yes ☐ no
Temperature °C 3.4 EZZ
2490165, 1
☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	3	2	2	1	1	1	Preservative	
W	3/10	1030		X	MTWMW-7	9							DM	1
		1203			MTWMW-7I								DM	2
		1400			MTWMW-10								DM	3
					~~RPMW-1~~									
		1025			RPMW-2		3	2	2	1	1	1	TN	4
		1300			RPMW-14								TN	5
		1520			RPMW-24								TN	6
		0957			GPMW-20								MA	7
		1133			GPMW-18								MA	8
		1257			GPMW-11								MA	9
		1418			GPMW-19								MA	10
					[signature] 3/10/14									
W	3/10	—			Trip Blank	3	X							11

Air Bill No: 7981 6736 4060

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	3/10/14	1530	[signature] AMEC	3/10/14	15:30
[signature]	3/11/14	945	[signature]	3/11/14	945
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031107

SAMPLE DELIVERY GROUP 214031107

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/11/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
7981 6736 4066		3.4

DISCREPANCIES

21403110711 - TRIP BLANK:
Extra Sample - Not Listed on COC

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/31/2014

GCAL Report 214031211

Deliver To	AMEC Env & Infra Inc 1075 Big Shanty Road NW Suite 100 Kennesaw, GA 30144 (770) 421-3419
Attn	Jerry Gaccetta

Project Woodall Creek Baseline Samplin

Revision 1

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031211

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403121103 (JPMW-22), 21403121104 (MTWMW-9), 21403121105 (DUP-1), 21403121106 (MTWMW-08), 21403121110 (MTWMW-4), 21403121111 (HOAMW-3), and 21403121112 (RPMW-15) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

In the EPA 8260B analysis for analytical batch 527674, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries are acceptable. The LCS/LCSD RPD is above the control limit for Bromomethane.

VOLATILES GAS CHROMATOGRAPHY

In the RSK-175 analysis, sample 21403121109 (MTWMW-12) had to be diluted to bracket the concentration of a target analyte within the calibration range of the instrument.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration of target analytes within the calibration range of the instrument.

MISCELLANEOUS

Sample 21403121113 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031211

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	JPMW-17	Water	03/11/2014 10:40	03/12/2014 10:45
21403121102	JPMW-21	Water	03/11/2014 12:10	03/12/2014 10:45
21403121103	JPMW-22	Water	03/11/2014 14:00	03/12/2014 10:45
21403121104	MTWMW-9	Water	03/11/2014 09:53	03/12/2014 10:45
21403121105	DUP-1	Water	03/11/2014 12:00	03/12/2014 10:45
21403121106	MTWMW-08	Water	03/11/2014 11:53	03/12/2014 10:45
21403121109	MTWMW-12	Water	03/11/2014 14:13	03/12/2014 10:45
21403121110	MTWMW-4	Water	03/11/2014 12:15	03/12/2014 10:45
21403121111	HOAMW-3	Water	03/11/2014 12:45	03/12/2014 10:45
21403121112	RPMW-15	Water	03/11/2014 15:20	03/12/2014 10:45
21403121113	TRIP BLANK	Water	03/11/2014 00:00	03/12/2014 10:45

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.37	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	1.51J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	67.4	5.00	0.193	ug/L
79-01-6	Trichloroethene	10.7	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.45	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.9	2.00	0.500	mg/L
14808-79-8	Sulfate	40.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.831	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.345J	5.00	0.208	ug/L
75-27-4	Bromodichloromethane	2.28J	5.00	0.083	ug/L
67-66-3	Chloroform	17.2	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	152	5.00	0.193	ug/L
79-01-6	Trichloroethene	33.0	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	39.0	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	17.1	2.00	0.500	mg/L
14808-79-8	Sulfate	11.3	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.82	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	1.57	1.00	0.087	ug/L
74-82-8	Methane	5.02	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.22J	10.0	0.416	ug/L
71-43-2	Benzene	4.98J	10.0	0.222	ug/L
67-66-3	Chloroform	2.07J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	142	10.0	0.385	ug/L
79-01-6	Trichloroethene	16.6	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	21.8	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.3	2.00	0.500	mg/L
14808-79-8	Sulfate	35.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.03	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.09J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	455	25.0	0.963	ug/L
79-01-6	Trichloroethene	241	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	49.0	25.0	0.517	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	MTWMW-9	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.7	2.00	0.500	mg/L
14808-79-8	Sulfate	32.2	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	DUP-1	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.99	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.14J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	445	25.0	0.963	ug/L
79-01-6	Trichloroethene	241	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	51.3	25.0	0.517	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.7	2.00	0.500	mg/L
14808-79-8	Sulfate	32.7	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	MTWMW-08	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.05	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.77J	50.0	1.55	ug/L
127-18-4	Tetrachloroethene	665	50.0	1.93	ug/L
79-01-6	Trichloroethene	310	50.0	1.61	ug/L
156-59-2	cis-1,2-Dichloroethene	48.4J	50.0	1.03	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.5	2.00	0.500	mg/L
14808-79-8	Sulfate	23.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.470	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.323J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	24.0	2.00	0.500	mg/L
14808-79-8	Sulfate	32.0	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	525	20.0	4.35	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.13	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.855J	10.0	0.167	ug/L
67-66-3	Chloroform	15.8	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	172	10.0	0.385	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	55.7	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	27.7	10.0	0.207	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	6.88	2.00	0.435	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.4	2.00	0.500	mg/L
14808-79-8	Sulfate	33.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.11	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.685J	10.0	0.167	ug/L
67-66-3	Chloroform	6.26J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	222	10.0	0.385	ug/L
79-01-6	Trichloroethene	91.9	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	55.4	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	0.597J	10.0	0.154	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.1	2.00	0.500	mg/L
14808-79-8	Sulfate	51.9	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.51	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	2.93	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	6.33J	10.0	0.387	ug/L
127-18-4	Tetrachloroethene	362	10.0	0.385	ug/L
79-01-6	Trichloroethene	158	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	3.13J	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.2	2.00	0.500	mg/L
14808-79-8	Sulfate	29.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.28J	5.00	0.193	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 14:39	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.51J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**67.4**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**10.7**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.45**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 14:39	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.7	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	51.6	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	51.4	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.5	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:20	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.4	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 17:37	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 15:43	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.37**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/12/2014 23:57	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.9**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**40.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 15:01	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**0.345J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**2.28J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**17.2**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**152**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**33.0**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**39.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 15:01	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	51.3	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.5	ug/L	107	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:26	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.3	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:05	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:01	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.831**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:14	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**17.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**11.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 15:26	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	**1,1-Dichloroethene**	**1.22J**	**10.0**	**0.416**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	**Benzene**	**4.98J**	**10.0**	**0.222**	**ug/L**
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.07J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**142**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**16.6**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**21.8**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 15:26	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	106	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	100	104	ug/L	104	77 - 127
2037-26-5	Toluene d8	100	106	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:32	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**1.57**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**5.02**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.6	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:33	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:19	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.82**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:32	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.3**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**35.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 17:43	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**2.09J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**455**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**241**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**49.0**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 17:43	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	260	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	250	266	ug/L	106	77 - 127
2037-26-5	Toluene d8	250	257	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	262	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:41	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.4	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:05	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:36	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.03**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:49	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 18:54	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**2.14J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**445**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**241**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**51.3**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 18:54	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	262	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	250	260	ug/L	104	77 - 127
2037-26-5	Toluene d8	250	264	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	265	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:57	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:31	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:54	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.99**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 01:07	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 12:46	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	1.23U	50.0	1.23	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.09U	50.0	1.09	ug/L
79-00-5	1,1,2-Trichloroethane	1.59U	50.0	1.59	ug/L
75-34-3	1,1-Dichloroethane	1.71U	50.0	1.71	ug/L
75-35-4	1,1-Dichloroethene	2.08U	50.0	2.08	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.05U	50.0	1.05	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	1.94U	50.0	1.94	ug/L
106-93-4	1,2-Dibromoethane	1.02U	50.0	1.02	ug/L
95-50-1	1,2-Dichlorobenzene	1.35U	50.0	1.35	ug/L
107-06-2	1,2-Dichloroethane	1.16U	50.0	1.16	ug/L
78-87-5	1,2-Dichloropropane	1.50U	50.0	1.50	ug/L
541-73-1	1,3-Dichlorobenzene	1.38U	50.0	1.38	ug/L
106-46-7	1,4-Dichlorobenzene	0.831U	50.0	0.831	ug/L
78-93-3	2-Butanone	1.42U	50.0	1.42	ug/L
110-75-8	2-Chloroethylvinyl ether	1.46U	50.0	1.46	ug/L
591-78-6	2-Hexanone	1.22U	50.0	1.22	ug/L
108-10-1	4-Methyl-2-pentanone	1.20U	50.0	1.20	ug/L
67-64-1	Acetone	1.93U	50.0	1.93	ug/L
71-43-2	Benzene	1.11U	50.0	1.11	ug/L
75-27-4	Bromodichloromethane	0.834U	50.0	0.834	ug/L
75-25-2	Bromoform	2.15U	50.0	2.15	ug/L
74-83-9	Bromomethane	4.27U	50.0	4.27	ug/L
75-15-0	Carbon disulfide	1.90U	50.0	1.90	ug/L
56-23-5	Carbon tetrachloride	2.48U	50.0	2.48	ug/L
108-90-7	Chlorobenzene	0.828U	50.0	0.828	ug/L
75-00-3	Chloroethane	2.35U	50.0	2.35	ug/L
67-66-3	**Chloroform**	**2.77J**	**50.0**	**1.55**	**ug/L**
74-87-3	Chloromethane	1.44U	50.0	1.44	ug/L
110-82-7	Cyclohexane	3.37U	50.0	3.37	ug/L
124-48-1	Dibromochloromethane	0.539U	50.0	0.539	ug/L
75-71-8	Dichlorodifluoromethane	1.45U	50.0	1.45	ug/L
100-41-4	Ethylbenzene	1.09U	50.0	1.09	ug/L
98-82-8	Isopropylbenzene (Cumene)	1.30U	50.0	1.30	ug/L
79-20-9	Methyl Acetate	1.59U	50.0	1.59	ug/L
108-87-2	Methylcyclohexane	1.43U	50.0	1.43	ug/L
75-09-2	Methylene chloride	1.49U	50.0	1.49	ug/L
100-42-5	Styrene	0.894U	50.0	0.894	ug/L
127-18-4	**Tetrachloroethene**	**665**	**50.0**	**1.93**	**ug/L**
108-88-3	Toluene	1.22U	50.0	1.22	ug/L
79-01-6	**Trichloroethene**	**310**	**50.0**	**1.61**	**ug/L**
75-69-4	Trichlorofluoromethane	1.57U	50.0	1.57	ug/L
76-13-1	Trichlorotrifluoroethane	1.58U	50.0	1.58	ug/L
108-05-4	Vinyl acetate	1.51U	50.0	1.51	ug/L
75-01-4	Vinyl chloride	1.27U	50.0	1.27	ug/L
1330-20-7	Xylene (total)	1.79U	150	1.79	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**48.4J**	**50.0**	**1.03**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	1.24U	50.0	1.24	ug/L
136777-61-2	m,p-Xylene	1.23U	100	1.23	ug/L
95-47-6	o-Xylene	0.554U	50.0	0.554	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.777U	50.0	0.777	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 12:46	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.769U	50.0	0.769	ug/L
10061-02-6	trans-1,3-Dichloropropene	1.28U	50.0	1.28	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	524	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	500	507	ug/L	101	77 - 127
2037-26-5	Toluene d8	500	534	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	472	ug/L	94	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:04	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.6	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:57	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 17:11	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.05**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 02:00	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.5**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**23.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:28	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**0.323J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:28	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.7	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	51.7	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:30	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.5	ug/L	58	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/19/2014 16:35	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**525**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:18	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:04	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.470**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 02:53	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**24.0**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 19:17	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	**Bromodichloromethane**	**0.855J**	**10.0**	**0.167**	**ug/L**
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**15.8**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**172**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**55.7**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**27.7**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 19:17	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	104	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	100	107	ug/L	107	77 - 127
2037-26-5	Toluene d8	100	104	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	103	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:47	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**6.88**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.1	ug/L	62	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:45	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:57	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.13**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:10	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.4**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**33.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 15:57	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	**Bromodichloromethane**	**0.685J**	**10.0**	**0.167**	**ug/L**
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**6.26J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**222**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**91.9**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**55.4**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 15:57	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.597J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	93.6	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	100	101	ug/L	101	77 - 127
2037-26-5	Toluene d8	100	99.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	105	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:59	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.7	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 23:41	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:15	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.11**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:28	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**51.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 16:20	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**6.33J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**362**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**158**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.13J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 16:20	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	92.5	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	100	102	ug/L	102	77 - 127
2037-26-5	Toluene d8	100	98.9	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	103	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 17:04	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**2.93**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24	ug/L	59	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 00:12	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:32	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.51**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:46	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.2**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**29.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 15:34	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.28J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 15:34	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	51	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	49.2	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527555	**Client ID**	MB527555	LCS527555	LCSD527555
Prep Batch N/A	**GCAL ID**	1292393	1292394	1292395
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/14/2014 10:52	03/14/2014 09:19	03/14/2014 09:44
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	41.8	84	44 - 156	40.8	82	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.9	106	74 - 125	51.2	102	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.7	101	64 - 122	48.6	97	4	30
74-83-9	Bromomethane	0.427U	0.427	50.0	46.1	92	47 - 138	43.1	86	7	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.3	101	69 - 136	51.3	103	2	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	58.0	116	76 - 128	56.5	113	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	57.9	116	62 - 141	55.9	112	4	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	107	107	74 - 126	103	103	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	52.5	105	75 - 122	50.4	101	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	46.9	94	59 - 132	45.4	91	3	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	52.7	105	71 - 123	50.3	101	5	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.9	106	58 - 140	51.2	102	3	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	52.3	105	74 - 127	49.8	100	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	54.1	108	71 - 129	51.7	103	5	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	51.9	104	73 - 130	49.4	99	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	51.5	103	69 - 132	50.5	101	2	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.2	96	68 - 132	45.8	92	5	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	50.1	100	72 - 128	47.9	96	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	54.5	109	71 - 132	52.3	105	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	55.7	111	71 - 131	52.5	105	6	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	53.1	106	74 - 126	50.7	101	5	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	47.3	95	50 - 135	43.0	86	10	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	53.7	107	71 - 125	52.8	106	2	30
78-93-3	2-Butanone	0.142U	0.142	50.0	47.5	95	58 - 137	43.1	86	10	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.2	96	57 - 132	44.1	88	9	30
100-42-5	Styrene	0.089U	0.089	50.0	54.2	108	71 - 127	52.0	104	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	51.1	102	68 - 128	49.1	98	4	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	47.7	95	70 - 122	45.2	90	5	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	51.7	103	61 - 135	52.1	104	1	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	55.3	111	76 - 126	52.8	106	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.7	99	72 - 121	47.1	94	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.4	101	72 - 136	47.8	96	5	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	49.3	99	68 - 132	48.7	97	1	30

Revision 1

GC/MS Volatiles Quality Control Summary

Analytical Batch	527555	**Client ID**	MB527555			LCS527555				LCSD527555		
Prep Batch	N/A	**GCAL ID**	1292393			1292394				1292395		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/14/2014 10:52			03/14/2014 09:19				03/14/2014 09:44		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**				**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits**		**% R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	54.3	109	73	-	130	52.5	105	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	46.1	92	57	-	121	42.5	85	8	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	52.1	104	70	-	124	48.7	97	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	46.6	93	54	-	147	43.8	88	6	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	49.8	100	71	-	125	47.5	95	5	30
1330-20-7	Xylene (total)	0.179U	0.179	150	161	107	74	-	127	156	104	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	47.3	95	67	-	138	47.8	96	1	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	46.9	94	69	-	132	46.6	93	1	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	50.4	101	57	-	139	44.7	89	12	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	55.5	111	72	-	136	53.8	108	3	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	52.5	105	56	-	124	46.9	94	11	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.3	103	74	-	126	50.6	101	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.5	101	72	-	122	50.1	100	1	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.4	105	71	-	126	51.0	102	3	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.5	103	69	-	129	49.3	99	4	20
71-43-2	Benzene	0.111U	0.111	50.0	52.7	105	70	-	129	50.3	101	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	52.0	104	76	-	129	50.3	101	3	20
108-88-3	Toluene	0.122U	0.122	50.0	50.2	100	72	-	120	48.0	96	4	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	51.5	103	74	-	123	49.5	99	4	20
Surrogate													
460-00-4	4-Bromofluorobenzene	51.6	103	50	51.6	103	78	-	130	51.7	103		
1868-53-7	Dibromofluoromethane	52.1	104	50	53.1	106	77	-	127	52.3	105		
2037-26-5	Toluene d8	51.9	104	50	48.1	96	76	-	134	48	96		
17060-07-0	1,2-Dichloroethane-d4	52.8	106	50	52.3	105	71	-	127	52.4	105		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527555	**Client ID**	MTWMW-08	MS-1	MSD-1	
Prep Batch N/A	**GCAL ID**	21403121106	21403121107	21403121108	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/14/2014 12:46	03/14/2014 15:48	03/14/2014 16:11	
	Matrix	Water	Water	Water	

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.00	1.93	500	313	63	44 - 156	327	65	4	30
75-27-4	Bromodichloromethane	0.00	0.834	500	560	112	74 - 125	525	105	6	30
76-13-1	Trichlorotrifluoroethane	0.00	1.58	500	589	118	72 - 136	548	110	7	30
75-25-2	Bromoform	0.00	2.15	500	526	105	64 - 122	508	102	3	30
74-83-9	Bromomethane	0.00	4.27	500	444	89	47 - 138	458	92	3	30
75-15-0	Carbon disulfide	0.00	1.90	500	534	107	69 - 136	500	100	7	30
56-23-5	Carbon tetrachloride	0.00	2.48	500	619	124	76 - 128	570	114	8	30
75-00-3	Chloroethane	0.00	2.35	500	667	133	62 - 141	583	117	13	30
136777-61-2	m,p-Xylene	0.00	1.23	1000	1100	110	74 - 126	1050	105	5	30
67-66-3	Chloroform	2.77	1.55	500	544	108	75 - 122	515	102	5	30
74-87-3	Chloromethane	0.00	1.44	500	512	102	59 - 132	484	97	6	30
124-48-1	Dibromochloromethane	0.00	0.539	500	547	109	71 - 123	530	106	3	30
75-71-8	Dichlorodifluoromethane	0.00	1.45	500	542	108	58 - 140	529	106	2	30
75-34-3	1,1-Dichloroethane	0.00	1.71	500	533	107	74 - 127	504	101	6	30
107-06-2	1,2-Dichloroethane	0.00	1.16	500	557	111	71 - 129	537	107	4	30
75-09-2	Methylene chloride	0.00	1.49	500	500	100	68 - 132	468	94	7	30
78-87-5	1,2-Dichloropropane	0.00	1.50	500	518	104	72 - 128	489	98	6	30
10061-01-5	cis-1,3-Dichloropropene	0.00	1.24	500	555	111	71 - 132	529	106	5	30
10061-02-6	trans-1,3-Dichloropropene	0.00	1.28	500	580	116	71 - 131	557	111	4	30
100-41-4	Ethylbenzene	0.00	1.09	500	542	108	74 - 126	510	102	6	30
591-78-6	2-Hexanone	0.00	1.22	500	411	82	50 - 135	408	82	1	30
98-82-8	Isopropylbenzene (Cumene)	0.00	1.30	500	558	112	71 - 125	527	105	6	30
78-93-3	2-Butanone	0.00	1.42	500	444	89	58 - 137	430	86	3	30
108-10-1	4-Methyl-2-pentanone	0.00	1.20	500	479	96	57 - 132	468	94	2	30
100-42-5	Styrene	0.00	0.894	500	552	110	71 - 127	535	107	3	30
95-50-1	1,2-Dichlorobenzene	0.00	1.35	500	509	102	71 - 126	512	102	1	30
127-18-4	Tetrachloroethene	665	1.93	500	1100	87	68 - 128	1050	77	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	1.09	500	481	96	70 - 122	473	95	2	30
120-82-1	1,2,4-Trichlorobenzene	0.00	1.05	500	503	101	61 - 135	496	99	1	30
71-55-6	1,1,1-Trichloroethane	0.00	1.23	500	584	117	76 - 126	544	109	7	30
79-00-5	1,1,2-Trichloroethane	0.00	1.59	500	504	101	72 - 121	497	99	1	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.769	500	533	107	69 - 132	502	100	6	30
156-59-2	cis-1,2-Dichloroethene	48.4	1.03	500	574	105	73 - 130	548	100	5	30

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GC/MS Volatiles Quality Control Summary

Analytical Batch	527555	**Client ID**	MTWMW-08		MS-1			MSD-1			
Prep Batch	N/A	**GCAL ID**	21403121106		21403121107			21403121108			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 12:46		03/14/2014 15:48			03/14/2014 16:11			
		Matrix	Water		Water			Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
75-69-4	Trichlorofluoromethane	0.00	1.57	500	527	105	72 - 136	498	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.00	1.46	500	477	95	56 - 124	423	85	12	30
75-01-4	Vinyl chloride	0.00	1.27	500	545	109	68 - 132	489	98	11	30
95-47-6	o-Xylene	0.00	0.554	500	558	112	73 - 130	534	107	4	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	1.94	500	453	91	57 - 121	441	88	3	30
106-93-4	1,2-Dibromoethane	0.00	1.02	500	520	104	70 - 124	507	101	3	30
108-05-4	Vinyl acetate	0.00	1.51	500	460	92	54 - 147	448	90	3	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.777	500	499	100	71 - 125	484	97	3	30
541-73-1	1,3-Dichlorobenzene	0.00	1.38	500	522	104	74 - 126	502	100	4	30
108-87-2	Methylcyclohexane	0.00	1.43	500	505	101	67 - 138	471	94	7	30
106-46-7	1,4-Dichlorobenzene	0.00	0.831	500	515	103	72 - 122	489	98	5	30
1330-20-7	Xylene (total)	0.00	1.79	1500	1660	111	74 - 127	1580	105	5	30
110-82-7	Cyclohexane	0.00	3.37	500	496	99	69 - 132	466	93	6	30
75-35-4	1,1-Dichloroethene	0.00	2.08	500	525	105	69 - 129	484	97	8	20
79-20-9	Methyl Acetate	0.00	1.59	500	495	99	57 - 139	456	91	8	30
71-43-2	Benzene	0.00	1.11	500	551	110	70 - 129	512	102	7	20
79-01-6	Trichloroethene	310	1.61	500	831	104	76 - 129	776	93	7	20
108-88-3	Toluene	0.00	1.22	500	512	102	72 - 120	490	98	4	20
108-90-7	Chlorobenzene	0.00	0.828	500	528	106	74 - 123	508	102	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	524	105	500	525	105	78 - 130	524	105		
1868-53-7	Dibromofluoromethane	507	101	500	538	108	77 - 127	533	107		
2037-26-5	Toluene d8	534	107	500	480	96	76 - 134	481	96		
17060-07-0	1,2-Dichloroethane-d4	472	94	500	528	106	71 - 127	527	105		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527674	**Client ID**	MB527674	LCS527674	LCSD527674
Prep Batch N/A	**GCAL ID**	1293214	1293215	1293216
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/16/2014 13:48	03/16/2014 12:23	03/16/2014 12:45
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	52.0	104	44 - 156	56.5	113	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.1	104	74 - 125	55.1	110	6	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.7	97	64 - 122	52.9	106	8	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.5	91	47 - 138	63.3	127	33*	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	58.4	117	69 - 136	58.0	116	1	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	56.5	113	76 - 128	56.5	113	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	54.1	108	62 - 141	55.2	110	2	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	113	113	74 - 126	110	110	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	52.2	104	75 - 122	54.1	108	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	49.1	98	59 - 132	54.5	109	10	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.8	104	71 - 123	54.4	109	5	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.6	105	58 - 140	52.6	105	0	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	54.2	108	74 - 127	56.5	113	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.2	102	71 - 129	53.5	107	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	53.2	106	73 - 130	55.9	112	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	55.1	110	69 - 132	55.8	112	1	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	51.1	102	68 - 132	53.5	107	5	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.6	107	72 - 128	55.7	111	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	54.3	109	71 - 132	57.0	114	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	53.3	107	71 - 131	57.0	114	7	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	54.8	110	74 - 126	53.7	107	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	52.8	106	50 - 135	60.4	121	13	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	60.7	121	71 - 125	57.6	115	5	30
78-93-3	2-Butanone	0.142U	0.142	50.0	52.6	105	58 - 137	59.2	118	12	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	52.9	106	57 - 132	59.8	120	12	30
100-42-5	Styrene	0.089U	0.089	50.0	57.3	115	71 - 127	57.4	115	0	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	54.7	109	68 - 128	53.1	106	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.3	97	70 - 122	56.5	113	16	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	56.3	113	61 - 135	60.6	121	7	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	54.7	109	76 - 126	56.7	113	4	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	52.1	104	72 - 121	54.8	110	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	55.6	111	72 - 136	57.4	115	3	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	55.4	111	68 - 132	57.8	116	4	30

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GC/MS Volatiles Quality Control Summary

Analytical Batch	527674	**Client ID**	MB527674			LCS527674				LCSD527674		
Prep Batch	N/A	**GCAL ID**	1293214			1293215				1293216		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/16/2014 13:48			03/16/2014 12:23				03/16/2014 12:45		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**				**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits**	**% R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	56.2	112	73 -	130	55.4	111	1	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	50.7	101	57 -	121	60.4	121	17	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.6	101	70 -	124	54.4	109	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	49.3	99	54 -	147	53.4	107	8	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.0	102	71 -	125	54.7	109	7	30
1330-20-7	Xylene (total)	0.179U	0.179	150	169	113	74 -	127	165	110	2	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	64.5	129	67 -	138	59.2	118	9	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	63.7	127	69 -	132	60.2	120	6	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	51.6	103	57 -	139	56.4	113	9	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	59.5	119	72 -	136	57.9	116	3	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	50.3	101	56 -	124	57.2	114	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.6	103	74 -	126	54.2	108	5	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.8	104	72 -	122	54.9	110	6	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.6	105	71 -	126	55.5	111	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.1	108	69 -	129	56.9	114	5	20
71-43-2	Benzene	0.111U	0.111	50.0	52.5	105	70 -	129	54.9	110	4	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.3	107	76 -	129	54.9	110	3	20
108-88-3	Toluene	0.122U	0.122	50.0	52.4	105	72 -	120	53.2	106	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.5	105	74 -	123	53.5	107	2	20
Surrogate												
460-00-4	4-Bromofluorobenzene	46.8	94	50	49.9	100	78 -	130	49.2	98		
1868-53-7	Dibromofluoromethane	50.2	100	50	49.5	99	77 -	127	49.4	99		
2037-26-5	Toluene d8	49.6	99	50	49.4	99	76 -	134	49.2	98		
17060-07-0	1,2-Dichloroethane-d4	51.7	103	50	50.6	101	71 -	127	50.6	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527674	**Client ID**	DMMW-9	DMMW-9 MS	DMMW-9 MSD	
Prep Batch N/A	**GCAL ID**	21403141002	21403141003	21403141004	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/16/2014 17:05	03/16/2014 17:26	03/16/2014 17:47	
	Matrix	Water	Water	Water	

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	111	0.109	50.0	153	84	74 - 126	144	**66***	6	30
1330-20-7	Xylene (total)	87.3	0.179	150	241	102	74 - 127	229	94	5	30
71-43-2	Benzene	60.8	0.111	50.0	104	86	70 - 129	102	82	2	20
108-88-3	Toluene	2.84	0.122	50.0	55.0	104	72 - 120	52.7	100	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene			50	50.3	101	78 - 130	49.4	99		
1868-53-7	Dibromofluoromethane			50	47	94	77 - 127	47.8	96		
2037-26-5	Toluene d8			50	49.3	99	76 - 134	48.8	98		
17060-07-0	1,2-Dichloroethane-d4			50	56.6	113	71 - 127	54.9	110		

General Chromatography Quality Control Summary

Analytical Batch	527898	**Client ID**	MB527898	LCS527898
Prep Batch	N/A	**GCAL ID**	1294122	1294123
		Sample Type	Method Blank	LCS
		Analytical Date	03/19/2014 14:11	03/19/2014 14:24
		Matrix	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	
74-82-8	Methane	0.435U	0.435	17.5	14.7	84	39 - 120	
74-85-1	Ethene	0.071U	0.071	3.06	2.72	89	45 - 134	
74-84-0	Ethane	0.087U	0.087	3.28	2.83	86	45 - 128	
Surrogate								
115-07-1	Propene	28.6	71	40.5	25.9	64	40 - 143	

Analytical Batch	527898	**Client ID**	MTWMW-08	MS-1	MSD-1
Prep Batch	N/A	**GCAL ID**	21403121106	21403121107	21403121108
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/19/2014 16:04	03/19/2014 16:14	03/19/2014 16:24
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.312	0.435	17.5	16.5	93	39 - 120	17.1	96	4	27
74-85-1	Ethene	0.00	0.071	3.06	3.30	108	45 - 134	3.41	111	3	25
74-84-0	Ethane	0.00	0.087	3.28	3.18	97	45 - 128	3.29	100	3	29
Surrogate											
115-07-1	Propene	25.6	63	40.5	28.6	71	40 - 143	29.1	72		

General Chemistry Quality Control Summary

Analytical Batch	527419	**Client ID**	MB527419			LCS527419		
Prep Batch	N/A	**GCAL ID**	1291707			1291708		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/12/2014 17:30			03/12/2014 16:35		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	49.8	100	80 - 120	

Analytical Batch	527419	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/12/2014 19:57			03/12/2014 20:23			03/12/2014 20:51			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.30	50.0	50.2	100	75 - 125	50.8	102	1	25	

Analytical Batch	527419	**Client ID**	SS01-DP39-031114			SS01-DP39-031114 MS			SS01-DP39-031114 MSD			
Prep Batch	N/A	**GCAL ID**	21403121211			21403121212			21403121213			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 10:02			03/13/2014 10:36			03/13/2014 12:55			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.60	100	106	106	75 - 125	122	122	14	25	

General Chemistry Quality Control Summary

Analytical Batch 527659	**Client ID**	MB527659			LCS527659			
Prep Batch N/A	**GCAL ID**	1293183			1293184			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result		**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U		2.00	25.0	27.7	111	80 - 120	

Analytical Batch 527659	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch N/A	**GCAL ID**	21403121106			21403121107			21403121108			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result		**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000		2.00	25.0	26.1	104	75 - 125	27.1	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	527407	**Client ID**	MB527407			LCS527407					
Prep Batch	N/A	**GCAL ID**	1291602			1291603					
		Sample Type	Method Blank			LCS					
		Analytical Date	03/12/2014 15:08			03/12/2014 14:50					
		Matrix	Water			Water					
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**			
		Result	**RDL**	**Added**			**% R**	**Limits % R**			
16887-00-6	Chloride	0.050U	0.050	2.50		2.44	98	80 - 120			
14797-55-8	Nitrate	0.050U	0.050	2.50		2.34	94	80 - 120			
14808-79-8	Sulfate	0.050U	0.050	2.50		2.50	100	80 - 120			

Analytical Batch	527407	**Client ID**	MTWMW-08			MS-1			MSD-1				
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108				
		Sample Type	SAMPLE			MS			MSD				
		Analytical Date	03/12/2014 17:11			03/12/2014 17:29			03/12/2014 17:47				
		Matrix	Water			Water			Water				
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**			**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	2.05	0.050	2.50		4.51	99	80 - 120	4.47	97	1	15	

Analytical Batch	527407	**Client ID**	MTWMW-08			MS-1			MSD-1				
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108				
		Sample Type	SAMPLE			MS			MSD				
		Analytical Date	03/13/2014 02:00			03/13/2014 02:18			03/13/2014 02:35				
		Matrix	Water			Water			Water				
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**			**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0		35.3	91	80 - 120	35.4	91	0	15	
14808-79-8	Sulfate	23.0	0.500	25.0		48.3	101	80 - 120	48.3	101	0	15	

General Chemistry Quality Control Summary

Analytical Batch 527407		**Client ID**	JW-MW-1			1291285MS			1291285MSD		
Prep Batch N/A		**GCAL ID**	21403116204			1291604			1291605		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/12/2014 23:04			03/12/2014 23:21			03/12/2014 23:39		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14808-79-8	Sulfate	91.6	2.50	125	221	103	80 - 120	222	104	1	15

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031211
Due Date: 03/21/14

Report to:
Client: AMEC E&F, Inc.
Address: 396 Plasters Ave, NE Atlanta, GA 30324
Contact: daniel.morris@amec.com
Phone: 770.547.4409
E-mail: Daniel Morris

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Tela ~~Moriekis~~, Mark Andrews

Analytical Requests & Method: VOCs 8260B; TOC; Methane, Ethane, Ethene; Chloride, Sulfate; *NITRATE*; Sulfide

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 2.1 EZZ

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	*NITRATE*	Sulfide	Preservative
W	3/11	1040		X	JPMW-17	9	3	2	2	1	1	1	1
		1210			JPMW-21	8	2						2
		1400			JPMW-22	9	3						3
		0953			MTWMW-9	9							4
		1200			DUP-1	9							5
		1153			MTWMW-08	9							6
		1153			MS-1	9							7
		1153			MSD-1	9							8
		1413			MTWMW-12	9							9
		1215			MTWMW-4								10
		1245			HOAMW-3								11
		1520			RPMW-15								12
W	3/11	—			Trip Blank	3	X						13 sample added per Containers received 3/12 SH

Air Bill No: 7981 8273 3907

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/11/14	1526	HOAO ANOZ	03/11/14	15:26
FEDEX	3-12-14	10:45		3-12-14	10:45

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

Revision 1

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031211

SAMPLE DELIVERY GROUP 214031211

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/12/14

CHECKLIST

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
798182733907		2.1

DISCREPANCIES

21403121102 - JPMW-21:

Broken Container (Container 4 - Unassigned)

21403121113 - TRIP BLANK:

Extra Sample - Not Listed on COC

LAB PRESERVATIONS

None

NOTES

Revision 1.4

Revision 1

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/25/2014

GCAL Report 214031305

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031305

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403130502 (JPMW-16), 21403130504 (RPMW-1) and 21403130506 (HOAMW-SI) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403130501 (JPMW-23) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

For sample 21403130505 (MPMW-19), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031305

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	JPMW-23	Water	03/12/2014 10:00	03/13/2014 10:00
21403130502	JPMW-16	Water	03/12/2014 12:00	03/13/2014 10:00
21403130503	JPBRW-1	Water	03/12/2014 10:25	03/13/2014 10:00
21403130504	RPMW-1	Water	03/12/2014 12:10	03/13/2014 10:00
21403130505	MPMW-19	Water	03/12/2014 14:05	03/13/2014 10:00
21403130506	HOAMW-SI	Water	03/12/2014 10:43	03/13/2014 10:00
21403130507	HOAMW-14	Water	03/12/2014 14:00	03/13/2014 10:00

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.868	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.66J	5.00	0.208	ug/L
71-43-2	Benzene	0.989J	5.00	0.111	ug/L
67-66-3	Chloroform	0.855J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	111	5.00	0.193	ug/L
79-01-6	Trichloroethene	35.1	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	39.5	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	11.7	2.00	0.500	mg/L
14808-79-8	Sulfate	20.4	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	479	20.0	4.35	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.83	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	6.23J	10.0	0.387	ug/L
67-66-3	Chloroform	1.53J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	262	10.0	0.385	ug/L
79-01-6	Trichloroethene	177	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	44.3	10.0	0.207	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.0	2.00	0.500	mg/L
14808-79-8	Sulfate	20.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.187J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	5.85	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	3.42J	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.61J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	2.70J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.154J	10.0	0.123	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.846J	1.00	0.087	ug/L
74-85-1	Ethene	3.01	1.00	0.071	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	41.4	2.00	0.500	mg/L
14808-79-8	Sulfate	21.1	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.06	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.96J	50.0	1.55	ug/L
127-18-4	Tetrachloroethene	788	50.0	1.93	ug/L
79-01-6	Trichloroethene	641	50.0	1.61	ug/L
156-59-2	cis-1,2-Dichloroethene	167	50.0	1.03	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	15.1	2.00	0.500	mg/L
14808-79-8	Sulfate	23.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.65	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	3.06J	5.00	0.171	ug/L
127-18-4	Tetrachloroethene	2.64J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.91J	5.00	0.161	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.551J	5.00	0.078	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	43.8	2.00	0.500	mg/L
14808-79-8	Sulfate	12.0	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.39	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.75J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	216	10.0	0.385	ug/L
79-01-6	Trichloroethene	96.8	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	87.9	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	19.8	2.00	0.500	mg/L
14808-79-8	Sulfate	17.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.160J	0.200	0.050	mg/L
14808-79-8	Sulfate	2.66	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.858J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.378J	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.260J	5.00	0.157	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:03	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.66J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	**Benzene**	**0.989J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.855J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**111**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**35.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**39.5**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:03	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.2	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	52.7	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	46.3	ug/L	93	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.6	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:24	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.9	ug/L	64	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/24/2014 17:30	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**479**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 18:04	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 15:41	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.868**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 09:07	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**11.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**20.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 21:26	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**6.23J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**1.53J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**262**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**177**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**44.3**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 21:26	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	96.8	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	100	103	ug/L	103	77 - 127
2037-26-5	Toluene d8	100	94.4	ug/L	94	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:36	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	21.4	ug/L	53	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 19:40	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 16:33	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.83**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 09:59	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.0**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**20.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:47	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**5.85**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**3.42J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.61J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.70J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.154J**	**10.0**	**0.123**	**ug/L**
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:47	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.7	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53.5	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	47.2	ug/L	94	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:42	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.846J**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.01**	**1.00**	**0.071**	**ug/L**
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	17.8	ug/L	44	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 20:18	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 16:51	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.187J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:17	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**41.4**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**21.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:10	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	1.23U	50.0	1.23	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.09U	50.0	1.09	ug/L
79-00-5	1,1,2-Trichloroethane	1.59U	50.0	1.59	ug/L
75-34-3	1,1-Dichloroethane	1.71U	50.0	1.71	ug/L
75-35-4	1,1-Dichloroethene	2.08U	50.0	2.08	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.05U	50.0	1.05	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	1.94U	50.0	1.94	ug/L
106-93-4	1,2-Dibromoethane	1.02U	50.0	1.02	ug/L
95-50-1	1,2-Dichlorobenzene	1.35U	50.0	1.35	ug/L
107-06-2	1,2-Dichloroethane	1.16U	50.0	1.16	ug/L
78-87-5	1,2-Dichloropropane	1.50U	50.0	1.50	ug/L
541-73-1	1,3-Dichlorobenzene	1.38U	50.0	1.38	ug/L
106-46-7	1,4-Dichlorobenzene	0.831U	50.0	0.831	ug/L
78-93-3	2-Butanone	1.42U	50.0	1.42	ug/L
110-75-8	2-Chloroethylvinyl ether	1.46U	50.0	1.46	ug/L
591-78-6	2-Hexanone	1.22U	50.0	1.22	ug/L
108-10-1	4-Methyl-2-pentanone	1.20U	50.0	1.20	ug/L
67-64-1	Acetone	1.93U	50.0	1.93	ug/L
71-43-2	Benzene	1.11U	50.0	1.11	ug/L
75-27-4	Bromodichloromethane	0.834U	50.0	0.834	ug/L
75-25-2	Bromoform	2.15U	50.0	2.15	ug/L
74-83-9	Bromomethane	4.27U	50.0	4.27	ug/L
75-15-0	Carbon disulfide	1.90U	50.0	1.90	ug/L
56-23-5	Carbon tetrachloride	2.48U	50.0	2.48	ug/L
108-90-7	Chlorobenzene	0.828U	50.0	0.828	ug/L
75-00-3	Chloroethane	2.35U	50.0	2.35	ug/L
67-66-3	**Chloroform**	**3.96J**	**50.0**	**1.55**	**ug/L**
74-87-3	Chloromethane	1.44U	50.0	1.44	ug/L
110-82-7	Cyclohexane	3.37U	50.0	3.37	ug/L
124-48-1	Dibromochloromethane	0.539U	50.0	0.539	ug/L
75-71-8	Dichlorodifluoromethane	1.45U	50.0	1.45	ug/L
100-41-4	Ethylbenzene	1.09U	50.0	1.09	ug/L
98-82-8	Isopropylbenzene (Cumene)	1.30U	50.0	1.30	ug/L
79-20-9	Methyl Acetate	1.59U	50.0	1.59	ug/L
108-87-2	Methylcyclohexane	1.43U	50.0	1.43	ug/L
75-09-2	Methylene chloride	1.49U	50.0	1.49	ug/L
100-42-5	Styrene	0.894U	50.0	0.894	ug/L
127-18-4	**Tetrachloroethene**	**788**	**50.0**	**1.93**	**ug/L**
108-88-3	Toluene	1.22U	50.0	1.22	ug/L
79-01-6	**Trichloroethene**	**641**	**50.0**	**1.61**	**ug/L**
75-69-4	Trichlorofluoromethane	1.57U	50.0	1.57	ug/L
76-13-1	Trichlorotrifluoroethane	1.58U	50.0	1.58	ug/L
108-05-4	Vinyl acetate	1.51U	50.0	1.51	ug/L
75-01-4	Vinyl chloride	1.27U	50.0	1.27	ug/L
1330-20-7	Xylene (total)	1.79U	150	1.79	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**167**	**50.0**	**1.03**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	1.24U	50.0	1.24	ug/L
136777-61-2	m,p-Xylene	1.23U	100	1.23	ug/L
95-47-6	o-Xylene	0.554U	50.0	0.554	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.777U	50.0	0.777	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:10	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.769U	50.0	0.769	ug/L
10061-02-6	trans-1,3-Dichloropropene	1.28U	50.0	1.28	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	505	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	500	536	ug/L	107	77 - 127
2037-26-5	Toluene d8	500	474	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	531	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:47	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22	ug/L	54	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 20:47	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:09	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.06**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:35	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**15.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**23.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 22:31	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**3.06J**	**5.00**	**0.171**	**ug/L**
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.64J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.91J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**0.551J**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 22:31	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.5	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	47.5	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:53	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22	ug/L	54	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 21:13	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:26	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.65**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:52	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**43.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**12.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 22:54	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**3.75J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**216**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**96.8**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**87.9**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 22:54	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	101	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	100	106	ug/L	106	77 - 127
2037-26-5	Toluene d8	100	96.1	ug/L	96	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:59	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.1	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 21:40	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:44	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.39**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 11:10	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**19.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**17.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 23:16	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**0.858J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.378J**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**0.260J**	**5.00**	**0.157**	**ug/L**
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 23:16	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.3	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53.7	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	47.7	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:10	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.3	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 22:09	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 18:01	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.160J**	**0.200**	**0.050**	**mg/L**
14808-79-8	**Sulfate**	**2.66**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 11:28	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.1**	**2.00**	**0.500**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 527589	**Client ID**	MB527589	LCS527589	LCSD527589
Prep Batch N/A	**GCAL ID**	1292548	1292549	1292550
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/14/2014 14:59	03/14/2014 13:11	03/14/2014 13:55
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	47.3	95	44 - 156	51.2	102	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	57.6	115	74 - 125	58.5	117	2	30
75-25-2	Bromoform	0.215U	0.215	50.0	46.8	94	64 - 122	48.0	96	3	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.6	91	47 - 138	43.7	87	4	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.3	105	69 - 136	48.9	98	7	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	54.9	110	76 - 128	53.2	106	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	41.5	83	62 - 141	39.8	80	4	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	99.4	99	74 - 126	99.7	100	0	30
67-66-3	Chloroform	0.155U	0.155	50.0	56.7	113	75 - 122	54.7	109	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	50.7	101	59 - 132	48.1	96	5	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.9	102	71 - 123	51.4	103	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	50.5	101	58 - 140	44.6	89	12	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	57.6	115	74 - 127	54.9	110	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	54.0	108	71 - 129	56.0	112	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	56.3	113	73 - 130	55.9	112	1	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	57.3	115	69 - 132	53.1	106	8	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	53.2	106	68 - 132	53.4	107	0	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	57.0	114	72 - 128	55.7	111	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	58.3	117	71 - 132	56.9	114	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	59.8	120	71 - 131	59.7	119	0	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	50.3	101	74 - 126	49.5	99	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	46.8	94	50 - 135	47.6	95	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	50.2	100	71 - 125	49.7	99	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	52.4	105	58 - 137	55.1	110	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	49.0	98	57 - 132	50.4	101	3	30
100-42-5	Styrene	0.089U	0.089	50.0	51.1	102	71 - 127	50.7	101	1	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	46.6	93	68 - 128	44.7	89	4	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	47.3	95	70 - 122	47.9	96	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	39.1	78	61 - 135	38.7	77	1	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	56.7	113	76 - 126	53.1	106	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.7	99	72 - 121	50.1	100	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	56.6	113	72 - 136	49.6	99	13	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	50.7	101	68 - 132	46.6	93	8	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527589	**Client ID**	MB527589		LCS527589			LCSD527589			
Prep Batch	N/A	**GCAL ID**	1292548		1292549			1292550			
		Sample Type	Method Blank		LCS			LCSD			
		Analytical Date	03/14/2014 14:59		03/14/2014 13:11			03/14/2014 13:55			
		Matrix	Water		Water			Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	48.3	97	73 - 130	48.3	97	0	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	48.9	98	57 - 121	47.8	96	2	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	47.7	95	70 - 124	47.4	95	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	55.2	110	54 - 147	50.3	101	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	52.6	105	71 - 125	56.0	112	6	30
1330-20-7	Xylene (total)	0.179U	0.179	150	148	99	74 - 127	148	99	0	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.0	102	67 - 138	51.7	103	1	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	55.9	112	69 - 132	53.9	108	4	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	53.2	106	57 - 139	53.5	107	1	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	56.0	112	72 - 136	53.0	106	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	58.3	117	56 - 124	51.1	102	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	45.2	90	74 - 126	47.9	96	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	44.7	89	72 - 122	46.6	93	4	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	45.1	90	71 - 126	47.8	96	6	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	55.6	111	69 - 129	49.7	99	11	20
71-43-2	Benzene	0.111U	0.111	50.0	57.4	115	70 - 129	55.2	110	4	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	58.7	117	76 - 129	56.6	113	4	20
108-88-3	Toluene	0.122U	0.122	50.0	49.5	99	72 - 120	47.2	94	5	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.3	99	74 - 123	47.9	96	3	20
Surrogate											
460-00-4	4-Bromofluorobenzene	50.5	101	50	50.9	102	78 - 130	50.2	100		
1868-53-7	Dibromofluoromethane	52.7	105	50	51.5	103	77 - 127	51.9	104		
2037-26-5	Toluene d8	48	96	50	46.3	93	76 - 134	45.4	91		
17060-07-0	1,2-Dichloroethane-d4	51.5	103	50	50.1	100	71 - 127	51.5	103		

General Chromatography Quality Control Summary

Analytical Batch 528236	**Client ID**	MB528236		LCS528236
Prep Batch N/A	**GCAL ID**	1296026		1296027
	Sample Type	Method Blank		LCS
	Analytical Date	03/24/2014 16:57		03/24/2014 17:04
	Matrix	Water		Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	14.6	83	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	2.76	90	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	2.85	87	45 - 128
Surrogate							
115-07-1	Propene	23.6	58	40.5	17.7	44	40 - 143

General Chemistry Quality Control Summary

Analytical Batch	527500	Client ID	MB527500			LCS527500		
Prep Batch	N/A	GCAL ID	1292197			1292198		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/13/2014 17:32			03/13/2014 16:56		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.4	101	80 - 120

Analytical Batch	527500	Client ID	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	GCAL ID	21403130501			1292199			1292200			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 18:04			03/13/2014 18:42			03/13/2014 19:07			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.06	0.30	50.0	52.6	105	75 - 125	55.1	110	5	25

Analytical Batch	527500	Client ID	SS01-DP37-031214			1291981MS			1291981MSD			
Prep Batch	N/A	GCAL ID	21403130608			1292201			1292202			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/14/2014 11:39			03/14/2014 12:08			03/14/2014 12:32			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.00	1.5	250	259	104	75 - 125	264	106	2	25

General Chemistry Quality Control Summary

Analytical Batch 527659	**Client ID**	MB527659			LCS527659			
Prep Batch N/A	**GCAL ID**	1293183			1293184			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result	**RDL**		**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U	2.00		25.0	27.7	111	80 - 120	

Analytical Batch 527659	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch N/A	**GCAL ID**	21403121106			21403121107			21403121108			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result	**RDL**		**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000	2.00		25.0	26.1	104	75 - 125	27.1	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	527481	**Client ID**	MB527481			LCS527481		
Prep Batch	N/A	**GCAL ID**	1292119			1292120		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/13/2014 15:05			03/13/2014 14:48		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.29	92	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.34	94	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120	

Analytical Batch	527481	**Client ID**	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	**GCAL ID**	21403130501			1292121			1292122			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 15:41			03/13/2014 15:58			03/13/2014 16:16			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	0.868	0.050	2.50	3.08	88	80 - 120	3.08	89	0	15	

Analytical Batch	527481	**Client ID**	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	**GCAL ID**	21403130501			1292121			1292122			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/14/2014 09:07			03/14/2014 09:24			03/14/2014 09:42			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.500	25.0	33.3	86	80 - 120	33.2	86	0	15	
14808-79-8	Sulfate	20.4	0.500	25.0	45.4	100	80 - 120	44.8	98	1	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031305
Due Date: 03/24/14

Report to:	**Bill to:**
Client: AMEC E&I, Inc.	Client:
Address: 396 Plasters Ave NE Atlanta, GA	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:
Project Name/Number:
Sampled By:

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.2 EZZ

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	* NITRATE*	Sulfide	Preservative
W	3/12	1000		X	JPMW-23	9	3	2	2	1	1	1	1
		1200		X	JPMW-16								2
		1025			JPBRW-1								3
		1210			RPMW-1								4
		1405			MPMW-19								5
		1043			HOAMW-SI								6
		1400			HOAMW-14								7

K Day 3/12/14

Air Bill No: 7981 9677 4362

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☐ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
K Day	3/12/14	1520	Hubo Amec	03/12/14	15:20
Fed Ex	3/13/14	1000	Jaucen	3/13/14	1000
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031305

SAMPLE DELIVERY GROUP 214031305

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/13/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
7981 9677 4362		1.2

DISCREPANCIES

21403130505 - MPMW-19:
Sample Discrepancy

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/26/2014

GCAL Report 214031420

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031420

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, sample 21403142001 (HOAMW-5) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403142008 (AKZMW-3) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403142001 (HOAMW-5), 21403142002 (DPMW-4I), 21403142004 (AKZMW-6), 21403142005 (AKZMW-7), 21403142007 (AKZMW-4), and 21403142008 (AKZMW-3) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031420

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	HOAMW-5	Water	03/13/2014 10:05	03/14/2014 10:00
21403142002	DPMW-4I	Water	03/13/2014 10:55	03/14/2014 10:00
21403142003	SMFMW-12	Water	03/13/2014 09:53	03/14/2014 10:00
21403142004	AKZMW-6	Water	03/13/2014 12:25	03/14/2014 10:00
21403142005	AKZMW-7	Water	03/13/2014 13:38	03/14/2014 10:00
21403142006	AKZMW-8	Water	03/13/2014 11:58	03/14/2014 10:00
21403142007	AKZMW-4	Water	03/13/2014 14:44	03/14/2014 10:00
21403142008	AKZMW-3	Water	03/13/2014 15:10	03/14/2014 10:00
21403142009	TRIP BLANK-1	Water	03/13/2014 09:53	03/14/2014 10:00
21403142010	TRIP BLANK-2	Water	03/13/2014 09:53	03/14/2014 10:00

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.55	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.97J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	252	10.0	0.385	ug/L
79-01-6	Trichloroethene	96.1	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	81.1	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	0.933J	10.0	0.154	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.3	2.00	0.500	mg/L
14808-79-8	Sulfate	16.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.16	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.362J	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	23.7	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.08J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.688J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.68J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.49	2.00	0.500	mg/L
14808-79-8	Sulfate	14.7	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	1.14	0.200	0.050	mg/L
14808-79-8	Sulfate	8.14	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.18J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	1.51	0.200	0.050	mg/L
14797-55-8	Nitrate	0.143J	0.200	0.050	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	12.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.05	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.41J	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.615J	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	AKZMW-7	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	11.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	AKZMW-8	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.32	0.200	0.050	mg/L
14808-79-8	Sulfate	6.19	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.92J	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	31.9	2.00	0.435	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	AKZMW-4	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.43	0.200	0.050	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	10.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	AKZMW-3	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.826	0.200	0.050	mg/L
14808-79-8	Sulfate	0.465	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.9	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.29	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	120J	200	17.4	ug/L
74-82-8	Methane	2670	400	87.0	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.74J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/15/2014 11:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.97J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**252**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**96.1**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**81.1**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/15/2014 11:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.933J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	95.7	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	100	99.4	ug/L	99	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	100	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:12	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.2	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 19:49	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 16:58	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.55**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 20:47	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.3**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**16.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 11:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**0.362J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**23.7**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.08J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.688J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 11:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.3	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:18	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.8	ug/L	79	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 20:23	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.68J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 17:51	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.16**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 21:40	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.49**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**14.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.18J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	45.2	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.9	ug/L	102	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:24	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.4	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 21:45	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:09	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**1.14**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:09	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**8.14**	**0.200**	**0.050**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:29	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.9	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:33	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.2	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 22:20	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:26	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**1.51**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.143J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:15	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**12.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	45.1	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	48.8	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.7	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:40	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.615J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22.2	ug/L	55	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 22:56	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.41J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:44	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.05**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:33	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**11.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	**AKZMW-8**	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.6	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.1	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:48	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**31.9**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.9	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 01:00	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.92J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	**AKZMW-8**	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 19:02	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.32**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L
14808-79-8	**Sulfate**	**6.19**	**0.200**	**0.050**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	**AKZMW-4**	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:31	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.3	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.3	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.6	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:54	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.2	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 01:34	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	**AKZMW-4**	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 19:19	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.43**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 23:43	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**10.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:50	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	48.6	ug/L	97	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:01	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	19	ug/L	47	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			200	03/25/2014 12:08	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**120J**	**200**	**17.4**	**ug/L**
74-82-8	**Methane**	**2670**	**400**	**87.0**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:02	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.9**	**1.0**	**0.30**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 20:12	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.826**	**0.200**	**0.050**	**mg/L**
14808-79-8	**Sulfate**	**0.465**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 00:01	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.29**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:10	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.74J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:10	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.1	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.8	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142010	**TRIP BLANK-2**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142010	**TRIP BLANK-2**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527616	**Client ID**	MB527616	LCS527616	LCSD527616
Prep Batch N/A	**GCAL ID**	1292966	1292967	1292968
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/15/2014 08:27	03/15/2014 07:07	03/15/2014 07:27
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	44.1	88	44 - 156	46.4	93	5	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	49.7	99	74 - 125	47.8	96	4	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.8	98	64 - 122	48.7	97	0	30
74-83-9	Bromomethane	0.427U	0.427	50.0	57.7	115	47 - 138	59.3	119	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.1	100	69 - 136	45.0	90	11	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.3	103	76 - 128	48.4	97	6	30
75-00-3	Chloroethane	0.235U	0.235	50.0	44.2	88	62 - 141	41.8	84	6	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	93.9	94	74 - 126	89.6	90	5	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.9	96	75 - 122	45.7	91	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	50.2	100	59 - 132	47.8	96	5	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	48.7	97	71 - 123	48.6	97	0	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.1	104	58 - 140	48.6	97	7	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	47.0	94	74 - 127	45.1	90	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	49.0	98	71 - 129	48.3	97	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	48.5	97	73 - 130	45.4	91	7	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	48.0	96	69 - 132	44.9	90	7	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	47.3	95	68 - 132	45.3	91	4	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.0	98	72 - 128	46.5	93	5	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.0	100	71 - 132	47.6	95	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	52.1	104	71 - 131	49.5	99	5	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	47.2	94	74 - 126	44.3	89	6	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	41.9	84	50 - 135	47.2	94	12	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	47.9	96	71 - 125	44.2	88	8	30
78-93-3	2-Butanone	0.142U	0.142	50.0	43.7	87	58 - 137	50.5	101	14	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.8	90	57 - 132	50.3	101	12	30
100-42-5	Styrene	0.089U	0.089	50.0	48.0	96	71 - 127	46.2	92	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.8	96	68 - 128	45.4	91	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	46.3	93	70 - 122	50.4	101	8	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	47.7	95	61 - 135	44.2	88	8	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	50.0	100	76 - 126	46.2	92	8	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	46.0	92	72 - 121	45.8	92	0	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	51.1	102	72 - 136	47.2	94	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	47.7	95	68 - 132	44.6	89	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527616	**Client ID**	MB527616	LCS527616	LCSD527616
Prep Batch N/A	**GCAL ID**	1292966	1292967	1292968
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/15/2014 08:27	03/15/2014 07:07	03/15/2014 07:27
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	46.3	93	73 - 130	43.4	87	6	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	40.3	81	57 - 121	44.2	88	9	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	46.5	93	70 - 124	46.2	92	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	48.6	97	54 - 147	48.7	97	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	46.3	93	71 - 125	46.6	93	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	140	93	74 - 127	133	89	5	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.2	102	67 - 138	45.3	91	12	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.5	105	69 - 132	48.0	96	9	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	47.1	94	57 - 139	52.6	105	11	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.0	104	72 - 136	48.4	97	7	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	51.3	103	56 - 124	55.0	110	7	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	47.7	95	74 - 126	45.7	91	4	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	46.3	93	72 - 122	44.8	90	3	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	47.4	95	71 - 126	45.4	91	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	46.6	93	69 - 129	43.7	87	6	20
71-43-2	Benzene	0.111U	0.111	50.0	47.2	94	70 - 129	44.8	90	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	46.6	93	76 - 129	43.4	87	7	20
108-88-3	Toluene	0.122U	0.122	50.0	45.7	91	72 - 120	43.5	87	5	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	45.9	92	74 - 123	43.9	88	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	47	94	50	48.3	97	78 - 130	47.6	95		
1868-53-7	Dibromofluoromethane	50.8	102	50	51.6	103	77 - 127	52	104		
2037-26-5	Toluene d8	49	98	50	49.4	99	76 - 134	49.6	99		
17060-07-0	1,2-Dichloroethane-d4	51.5	103	50	50.8	102	71 - 127	51.6	103		

General Chromatography Quality Control Summary

Analytical Batch	528337	**Client ID**	MB528337	LCS528337
Prep Batch	N/A	**GCAL ID**	1296462	1296463
		Sample Type	Method Blank	LCS
		Analytical Date	03/25/2014 10:50	03/25/2014 10:58
		Matrix	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	16.9	97	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	3.26	99	45 - 128
Surrogate							
115-07-1	Propene	28.7	71	40.5	26.1	64	40 - 143

Analytical Batch	528337	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch	N/A	**GCAL ID**	21403150607	21403150608	21403150609
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/25/2014 14:59	03/25/2014 15:05	03/25/2014 15:10
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.00	0.435	17.5	17.3	99	39 - 120	16.3	93	6	27
74-85-1	Ethene	0.00	0.071	3.06	3.48	114	45 - 134	3.50	114	1	25
74-84-0	Ethane	0.00	0.087	3.28	3.37	103	45 - 128	3.15	96	7	29
Surrogate											
115-07-1	Propene			40.5	26	64	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch 527651		**Client ID**	MB527651			LCS527651		
Prep Batch N/A		**GCAL ID**	1293154			1293155		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/16/2014 17:54			03/16/2014 16:58		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.8	104	80 - 120	

Analytical Batch 527651		**Client ID**	DPMW-4I			1292561MS			1292561MSD			
Prep Batch N/A		**GCAL ID**	21403142002			1293220			1293221			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/16/2014 20:23			03/16/2014 20:55			03/16/2014 21:19			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.68	0.30	50.0	53.5	106	75 - 125	55.3	109	3	25

Analytical Batch 527651		**Client ID**	AKZMW-4			1292567MS			1292567MSD			
Prep Batch N/A		**GCAL ID**	21403142007			1293222			1293223			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/17/2014 01:34			03/17/2014 02:10			03/17/2014 02:36			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.00	0.30	50.0	51.9	104	75 - 125	52.9	106	2	25

General Chemistry Quality Control Summary

Analytical Batch 527752	**Client ID**	MB527752			LCS527752		
Prep Batch N/A	**GCAL ID**	1293506			1293507		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50		
	Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
18496-25-8 Sulfide		2.00U	2.00	25.0	25.8	103	80 - 120

General Chemistry Quality Control Summary

Analytical Batch	527596	**Client ID**	MB527596			LCS527596			
Prep Batch	N/A	**GCAL ID**	1292590			1292591			
		Sample Type	Method Blank			LCS			
		Analytical Date	03/14/2014 16:23			03/14/2014 16:05			
		Matrix	Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**		
		Result	**RDL**	**Added**		**% R**	**Limits % R**		
16887-00-6	Chloride	0.050U	0.050	2.50	2.25	90	80 - 120		
14797-55-8	Nitrate	0.050U	0.050	2.50	2.28	91	80 - 120		
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120		

Analytical Batch	527596	**Client ID**	HOAMW-5		1292560MS			1292560MSD			
Prep Batch	N/A	**GCAL ID**	21403142001		1292592			1292593			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 16:58		03/14/2014 17:16			03/14/2014 17:33			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.55	0.050	2.50	3.91	94	80 - 120	3.95	96	1	15

Analytical Batch	527596	**Client ID**	HOAMW-5		1292560MS			1292560MSD			
Prep Batch	N/A	**GCAL ID**	21403142001		1292592			1292593			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 20:47		03/14/2014 21:05			03/14/2014 21:22			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.3	0.500	25.0	45.8	98	80 - 120	45.3	96	1	15
14808-79-8	Sulfate	16.1	0.500	25.0	42.5	106	80 - 120	42.6	106	0	15

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY R

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031420
Due Date: 03/25/14

NLY

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address: 396 Plasters Ave. NE Atlanta, GA 30324	Address: Same Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Mark Andrews, Tela Noriekis

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.9, 1.5 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	* NITRATE*	Sulfide	Preservative
						↓	3	2	2	1	1	1	←
W	3/13/14	1005		X	HOAMW-5	9	3	2	2	1	1	1	1
		1055			DPMW-4I								2
		0953			SMFMW-12								3
		1225			AKZMW-6								4
		1338			AKZMW-7								5
		1158			AKZMW-8								6
		1444			AKZMW-4								7
		1510			AKZMW-3								8
W	3/13	0953 ~~1007~~	DUP	X	TRIP Blank-1	3	3						9
W	11	0953		X	TRIP Blank-2	3	3						10

Air Bill No: 8045 4926 1970 30420551

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/13/14	1530	FEDEX		
Relinquished by: (Signature) FEDEX	Date: 3-14-14	Time: 10:00	Received by: (Signature)	Date: 3-14-14	Time: 10:00
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031420

SAMPLE DELIVERY GROUP 214031420	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/14/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
804549261970		1.9
		1.5

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/26/2014

GCAL Report 214031506

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031506

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 527958, the LCS and/or LCSD recoveries are above the upper control limit for Vinyl acetate and 2-Chloroethylvinyl ether. 2-Chloroethylvinyl ether exhibited a % recovery of 40.1 in the ICV. Vinyl Acetate exhibited a % recovery of 56.5 in the ICV. These compounds were not detected during sample analysis. The MS/MSD recoveries for 2-Chloroethylvinyl ether are not applicable because this compound is not recovered in acidified samples.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031506

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	DPMW-4S	Water	03/14/2014 09:37	03/15/2014 09:40
21403150602	DPMW-1S	Water	03/14/2014 11:37	03/15/2014 09:40
21403150603	DPMW-2I	Water	03/14/2014 10:40	03/15/2014 09:40
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40
21403150605	DUP-2	Water	03/14/2014 12:00	03/15/2014 09:40
21403150606	SMFDR-2	Water	03/14/2014 12:23	03/15/2014 09:40
21403150607	MPMW-15	Water	03/14/2014 09:25	03/15/2014 09:40
21403150608	MS-2	Water	03/14/2014 09:25	03/15/2014 09:40
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.94	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.18J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.202J	5.00	0.083	ug/L
67-66-3	Chloroform	1.54J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	15.5	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.04J	5.00	0.161	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.72J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.23	2.00	0.500	mg/L
14808-79-8	Sulfate	13.2	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.70	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.876J	5.00	0.193	ug/L
67-66-3	Chloroform	1.19J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.32J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.02	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	DPMW-1S	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	28.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	DPMW-2I	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.4	2.00	0.500	mg/L
14797-55-8	Nitrate	7.13	2.00	0.500	mg/L
14808-79-8	Sulfate	25.8	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.335J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	2.45J	5.00	0.208	ug/L
67-66-3	Chloroform	0.623J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	36.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	8.61	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.54	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.75J	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.93	0.200	0.050	mg/L
14797-55-8	Nitrate	0.159J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.40J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	20.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.66	5.00	0.161	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	11.4	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	DUP-2	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	35.2	2.00	0.500	mg/L
14797-55-8	Nitrate	7.06	2.00	0.500	mg/L
14808-79-8	Sulfate	26.3	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	2.45J	5.00	0.208	ug/L
67-64-1	Acetone	1.37J	5.00	0.193	ug/L
67-66-3	Chloroform	0.613J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	37.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	8.58	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.70	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30J	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	SMFDR-2	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.63	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.22J	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	2.92J	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.21J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.208J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	30.7	2.00	0.500	mg/L
14808-79-8	Sulfate	26.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.633	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.727J	5.00	0.193	ug/L
67-66-3	Chloroform	0.229J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.07J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.1	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.8	2.00	0.500	mg/L
14808-79-8	Sulfate	14.7	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

RSK 175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.37	1.00	0.087	ug/L
74-85-1	Ethene	3.48	1.00	0.071	ug/L
74-82-8	Methane	17.3	2.00	0.435	ug/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.81	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	54.3	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.9	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	50.5	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	54.6	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	55.2	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.3	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	50.1	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	49.3	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	49.0	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	50.8	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	53.4	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	49.9	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	48.7	5.00	0.083	ug/L
78-93-3	2-Butanone	39.6	5.00	0.142	ug/L
591-78-6	2-Hexanone	42.7	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	50.4	5.00	0.120	ug/L
67-64-1	Acetone	27.8	5.00	0.193	ug/L
71-43-2	Benzene	52.1	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	52.0	5.00	0.083	ug/L
75-25-2	Bromoform	45.4	5.00	0.215	ug/L
74-83-9	Bromomethane	46.8	5.00	0.427	ug/L
75-15-0	Carbon disulfide	55.5	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	55.9	5.00	0.248	ug/L
108-90-7	Chlorobenzene	50.5	5.00	0.083	ug/L
75-00-3	Chloroethane	53.2	5.00	0.235	ug/L
67-66-3	Chloroform	51.5	5.00	0.155	ug/L
74-87-3	Chloromethane	44.3	5.00	0.144	ug/L
110-82-7	Cyclohexane	57.3	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	50.6	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	51.4	5.00	0.145	ug/L
100-41-4	Ethylbenzene	51.4	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	53.1	5.00	0.130	ug/L
79-20-9	Methyl Acetate	50.1	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	56.7	5.00	0.143	ug/L
75-09-2	Methylene chloride	50.9	5.00	0.149	ug/L
100-42-5	Styrene	52.8	5.00	0.089	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	MS-2	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	50.5	5.00	0.193	ug/L
108-88-3	Toluene	50.1	5.00	0.122	ug/L
79-01-6	Trichloroethene	51.1	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	56.6	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	55.9	5.00	0.158	ug/L
108-05-4	Vinyl acetate	62.2	5.00	0.151	ug/L
75-01-4	Vinyl chloride	53.4	5.00	0.127	ug/L
1330-20-7	Xylene (total)	156	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	53.7	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.2	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	103	10.0	0.123	ug/L
95-47-6	o-Xylene	52.4	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	51.0	5.00	0.078	ug/L
156-60-5	trans-1,2-Dichloroethene	54.7	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	52.9	5.00	0.128	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	57.3	1.0	0.30	mg/L

SM 4500-S2 F Sulfide Water

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	25.2	2.00	2.00	mg/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.1	2.00	0.500	mg/L
14808-79-8	Sulfate	38.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

RSK 175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.15	1.00	0.087	ug/L
74-85-1	Ethene	3.50	1.00	0.071	ug/L
74-82-8	Methane	16.3	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.84	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	57.3	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	53.3	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.6	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	51.7	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	53.3	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	53.7	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	54.0	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	49.2	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	51.0	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	49.7	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	50.4	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	52.5	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	49.8	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	49.5	5.00	0.083	ug/L
78-93-3	2-Butanone	40.2	5.00	0.142	ug/L
591-78-6	2-Hexanone	43.2	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	51.7	5.00	0.120	ug/L
67-64-1	Acetone	27.6	5.00	0.193	ug/L
71-43-2	Benzene	51.3	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	52.1	5.00	0.083	ug/L
75-25-2	Bromoform	47.5	5.00	0.215	ug/L
74-83-9	Bromomethane	59.9	5.00	0.427	ug/L
75-15-0	Carbon disulfide	54.6	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	53.4	5.00	0.248	ug/L
108-90-7	Chlorobenzene	50.4	5.00	0.083	ug/L
75-00-3	Chloroethane	52.0	5.00	0.235	ug/L
67-66-3	Chloroform	49.8	5.00	0.155	ug/L
74-87-3	Chloromethane	49.3	5.00	0.144	ug/L
110-82-7	Cyclohexane	57.2	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	51.6	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	49.8	5.00	0.145	ug/L
100-41-4	Ethylbenzene	50.3	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	53.1	5.00	0.130	ug/L
79-20-9	Methyl Acetate	50.3	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	54.5	5.00	0.143	ug/L
75-09-2	Methylene chloride	49.5	5.00	0.149	ug/L
100-42-5	Styrene	53.5	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	50.2	5.00	0.193	ug/L
108-88-3	Toluene	50.4	5.00	0.122	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	50.5	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	56.0	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	53.7	5.00	0.158	ug/L
108-05-4	Vinyl acetate	61.0	5.00	0.151	ug/L
75-01-4	Vinyl chloride	53.1	5.00	0.127	ug/L
1330-20-7	Xylene (total)	156	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	53.0	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.9	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	104	10.0	0.123	ug/L
95-47-6	o-Xylene	52.6	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	51.1	5.00	0.078	ug/L
156-60-5	trans-1,2-Dichloroethene	53.7	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	53.1	5.00	0.128	ug/L

SM 4500-S2 F Sulfide Water

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	25.4	2.00	2.00	mg/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.2	2.00	0.500	mg/L
14808-79-8	Sulfate	39.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:11	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.18J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.202J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.54J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.5**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.04J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:11	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.6	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.9	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:20	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.4	ug/L	58	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 02:22	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.72J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:22	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.94**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:04	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.23**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**13.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:32	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.876J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.19J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.32J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:32	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.5	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:27	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.5	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 02:47	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:40	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.70**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:22	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.02**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**28.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:53	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.335J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**2.45J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.623J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**36.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**8.61**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.54**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:53	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.6	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:33	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:09	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.75J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:39	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.4**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**7.13**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:39	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**25.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:14	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.40J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**20.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.66**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:14	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	49.3	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:39	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.5	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:31	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	ND	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.93**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.159J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:57	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**11.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:35	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**2.45J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.37J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.613J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**37.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**8.58**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.70**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:35	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49.8	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:46	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.4	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:54	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.30J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**35.2**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**7.06**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**26.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:56	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.22J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.92J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.21J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.208J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:56	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.3	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	50.4	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.3	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.8	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:52	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.5	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 04:16	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:50	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.63**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:32	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**30.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**26.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 19:34	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.727J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.229J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.07J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 19:34	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.2	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:59	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.4	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 04:39	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.1**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:08	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.633**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:50	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**14.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 21:41	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**54.3**	**5.00**	**0.123**	**ug/L**
79-34-5	**1,1,2,2-Tetrachloroethane**	**51.9**	**5.00**	**0.109**	**ug/L**
79-00-5	**1,1,2-Trichloroethane**	**50.5**	**5.00**	**0.159**	**ug/L**
75-34-3	**1,1-Dichloroethane**	**54.6**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**55.2**	**5.00**	**0.208**	**ug/L**
120-82-1	**1,2,4-Trichlorobenzene**	**47.3**	**5.00**	**0.105**	**ug/L**
96-12-8	**1,2-Dibromo-3-chloropropane**	**50.1**	**5.00**	**0.194**	**ug/L**
106-93-4	**1,2-Dibromoethane**	**49.3**	**5.00**	**0.102**	**ug/L**
95-50-1	**1,2-Dichlorobenzene**	**49.0**	**5.00**	**0.135**	**ug/L**
107-06-2	**1,2-Dichloroethane**	**50.8**	**5.00**	**0.116**	**ug/L**
78-87-5	**1,2-Dichloropropane**	**53.4**	**5.00**	**0.150**	**ug/L**
541-73-1	**1,3-Dichlorobenzene**	**49.9**	**5.00**	**0.138**	**ug/L**
106-46-7	**1,4-Dichlorobenzene**	**48.7**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**39.6**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**42.7**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**50.4**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**27.8**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**52.1**	**5.00**	**0.111**	**ug/L**
75-27-4	**Bromodichloromethane**	**52.0**	**5.00**	**0.083**	**ug/L**
75-25-2	**Bromoform**	**45.4**	**5.00**	**0.215**	**ug/L**
74-83-9	**Bromomethane**	**46.8**	**5.00**	**0.427**	**ug/L**
75-15-0	**Carbon disulfide**	**55.5**	**5.00**	**0.190**	**ug/L**
56-23-5	**Carbon tetrachloride**	**55.9**	**5.00**	**0.248**	**ug/L**
108-90-7	**Chlorobenzene**	**50.5**	**5.00**	**0.083**	**ug/L**
75-00-3	**Chloroethane**	**53.2**	**5.00**	**0.235**	**ug/L**
67-66-3	**Chloroform**	**51.5**	**5.00**	**0.155**	**ug/L**
74-87-3	**Chloromethane**	**44.3**	**5.00**	**0.144**	**ug/L**
110-82-7	**Cyclohexane**	**57.3**	**5.00**	**0.337**	**ug/L**
124-48-1	**Dibromochloromethane**	**50.6**	**5.00**	**0.054**	**ug/L**
75-71-8	**Dichlorodifluoromethane**	**51.4**	**5.00**	**0.145**	**ug/L**
100-41-4	**Ethylbenzene**	**51.4**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**53.1**	**5.00**	**0.130**	**ug/L**
79-20-9	**Methyl Acetate**	**50.1**	**5.00**	**0.159**	**ug/L**
108-87-2	**Methylcyclohexane**	**56.7**	**5.00**	**0.143**	**ug/L**
75-09-2	**Methylene chloride**	**50.9**	**5.00**	**0.149**	**ug/L**
100-42-5	**Styrene**	**52.8**	**5.00**	**0.089**	**ug/L**
127-18-4	**Tetrachloroethene**	**50.5**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**50.1**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**51.1**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**56.6**	**5.00**	**0.157**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**55.9**	**5.00**	**0.158**	**ug/L**
108-05-4	**Vinyl acetate**	**62.2**	**5.00**	**0.151**	**ug/L**
75-01-4	**Vinyl chloride**	**53.4**	**5.00**	**0.127**	**ug/L**
1330-20-7	**Xylene (total)**	**156**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**53.7**	**5.00**	**0.103**	**ug/L**
10061-01-5	**cis-1,3-Dichloropropene**	**53.2**	**5.00**	**0.124**	**ug/L**
136777-61-2	**m,p-Xylene**	**103**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**52.4**	**5.00**	**0.055**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**51.0**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 21:41	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**54.7**	**5.00**	**0.077**	**ug/L**
10061-02-6	**trans-1,3-Dichloropropene**	**52.9**	**5.00**	**0.128**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.8	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

RSK 175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:05	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.37**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.48**	**1.00**	**0.071**	**ug/L**
74-82-8	**Methane**	**17.3**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26	ug/L	64	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 05:04	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**57.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F Sulfide Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**25.2**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:26	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.81**	**0.200**	**0.050**	**mg/L**

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 19:43	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**38.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 22:02	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**53.3**	**5.00**	**0.123**	**ug/L**
79-34-5	**1,1,2,2-Tetrachloroethane**	**50.6**	**5.00**	**0.109**	**ug/L**
79-00-5	**1,1,2-Trichloroethane**	**51.7**	**5.00**	**0.159**	**ug/L**
75-34-3	**1,1-Dichloroethane**	**53.3**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**53.7**	**5.00**	**0.208**	**ug/L**
120-82-1	**1,2,4-Trichlorobenzene**	**54.0**	**5.00**	**0.105**	**ug/L**
96-12-8	**1,2-Dibromo-3-chloropropane**	**49.2**	**5.00**	**0.194**	**ug/L**
106-93-4	**1,2-Dibromoethane**	**51.0**	**5.00**	**0.102**	**ug/L**
95-50-1	**1,2-Dichlorobenzene**	**49.7**	**5.00**	**0.135**	**ug/L**
107-06-2	**1,2-Dichloroethane**	**50.4**	**5.00**	**0.116**	**ug/L**
78-87-5	**1,2-Dichloropropane**	**52.5**	**5.00**	**0.150**	**ug/L**
541-73-1	**1,3-Dichlorobenzene**	**49.8**	**5.00**	**0.138**	**ug/L**
106-46-7	**1,4-Dichlorobenzene**	**49.5**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**40.2**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**43.2**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**51.7**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**27.6**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**51.3**	**5.00**	**0.111**	**ug/L**
75-27-4	**Bromodichloromethane**	**52.1**	**5.00**	**0.083**	**ug/L**
75-25-2	**Bromoform**	**47.5**	**5.00**	**0.215**	**ug/L**
74-83-9	**Bromomethane**	**59.9**	**5.00**	**0.427**	**ug/L**
75-15-0	**Carbon disulfide**	**54.6**	**5.00**	**0.190**	**ug/L**
56-23-5	**Carbon tetrachloride**	**53.4**	**5.00**	**0.248**	**ug/L**
108-90-7	**Chlorobenzene**	**50.4**	**5.00**	**0.083**	**ug/L**
75-00-3	**Chloroethane**	**52.0**	**5.00**	**0.235**	**ug/L**
67-66-3	**Chloroform**	**49.8**	**5.00**	**0.155**	**ug/L**
74-87-3	**Chloromethane**	**49.3**	**5.00**	**0.144**	**ug/L**
110-82-7	**Cyclohexane**	**57.2**	**5.00**	**0.337**	**ug/L**
124-48-1	**Dibromochloromethane**	**51.6**	**5.00**	**0.054**	**ug/L**
75-71-8	**Dichlorodifluoromethane**	**49.8**	**5.00**	**0.145**	**ug/L**
100-41-4	**Ethylbenzene**	**50.3**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**53.1**	**5.00**	**0.130**	**ug/L**
79-20-9	**Methyl Acetate**	**50.3**	**5.00**	**0.159**	**ug/L**
108-87-2	**Methylcyclohexane**	**54.5**	**5.00**	**0.143**	**ug/L**
75-09-2	**Methylene chloride**	**49.5**	**5.00**	**0.149**	**ug/L**
100-42-5	**Styrene**	**53.5**	**5.00**	**0.089**	**ug/L**
127-18-4	**Tetrachloroethene**	**50.2**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**50.4**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**50.5**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**56.0**	**5.00**	**0.157**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**53.7**	**5.00**	**0.158**	**ug/L**
108-05-4	**Vinyl acetate**	**61.0**	**5.00**	**0.151**	**ug/L**
75-01-4	**Vinyl chloride**	**53.1**	**5.00**	**0.127**	**ug/L**
1330-20-7	**Xylene (total)**	**156**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**53.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	**cis-1,3-Dichloropropene**	**52.9**	**5.00**	**0.124**	**ug/L**
136777-61-2	**m,p-Xylene**	**104**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**52.6**	**5.00**	**0.055**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**51.1**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 22:02	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**53.7**	**5.00**	**0.077**	**ug/L**
10061-02-6	**trans-1,3-Dichloropropene**	**53.1**	**5.00**	**0.128**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	49.4	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49	ug/L	98	71 - 127

RSK 175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:10	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.15**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.50**	**1.00**	**0.071**	**ug/L**
74-82-8	**Methane**	**16.3**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.9	ug/L	59	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 05:27	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**57.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F Sulfide Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**25.4**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:43	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.84**	**0.200**	**0.050**	**mg/L**

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 20:00	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.2**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**39.0**	**2.00**	**0.500**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MB527958	LCS527958	LCSD527958
Prep Batch N/A	**GCAL ID**	1294539	1294540	1294541
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/19/2014 18:52	03/19/2014 17:10	03/19/2014 17:49
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	54.1	108	44 - 156	50.6	101	7	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.5	103	74 - 125	53.1	106	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.8	98	64 - 122	49.1	98	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	63.1	126	47 - 138	68.1	136	8	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.0	100	69 - 136	58.5	117	16	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	49.8	100	76 - 128	56.2	112	12	30
75-00-3	Chloroethane	0.235U	0.235	50.0	49.2	98	62 - 141	54.0	108	9	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	100	100	74 - 126	114	114	13	30
67-66-3	Chloroform	0.155U	0.155	50.0	49.5	99	75 - 122	52.0	104	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	48.6	97	59 - 132	55.2	110	13	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	53.1	106	71 - 123	52.5	105	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	44.4	89	58 - 140	50.7	101	13	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	51.9	104	74 - 127	54.8	110	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.7	103	71 - 129	51.3	103	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	51.5	103	73 - 130	54.0	108	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	50.7	101	69 - 132	56.2	112	10	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	50.2	100	68 - 132	51.2	102	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	52.0	104	72 - 128	54.7	109	5	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	53.6	107	71 - 132	54.9	110	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	54.2	108	71 - 131	55.6	111	3	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	48.8	98	74 - 126	55.6	111	13	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	59.3	119	50 - 135	54.2	108	9	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.3	103	71 - 125	61.0	122	17	30
78-93-3	2-Butanone	0.142U	0.142	50.0	57.1	114	58 - 137	53.5	107	7	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	59.3	119	57 - 132	55.2	110	7	30
100-42-5	Styrene	0.089U	0.089	50.0	52.9	106	71 - 127	57.8	116	9	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.0	94	68 - 128	55.1	110	16	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	52.4	105	70 - 122	48.4	97	8	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	58.6	117	61 - 135	66.1	132	12	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	49.6	99	76 - 126	55.4	111	11	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	52.8	106	72 - 121	52.0	104	2	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.2	100	72 - 136	56.4	113	12	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	49.7	99	68 - 132	56.1	112	12	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MB527958	LCS527958	LCSD527958
Prep Batch N/A	**GCAL ID**	1294539	1294540	1294541
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/19/2014 18:52	03/19/2014 17:10	03/19/2014 17:49
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.9	102	73 - 130	58.3	117	14	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	56.8	114	57 - 121	50.7	101	11	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	53.0	106	70 - 124	51.9	104	2	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	78.2	**156***	54 - 147	69.0	138	13	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	53.8	108	71 - 125	52.4	105	3	30
1330-20-7	Xylene (total)	0.179U	0.179	150	151	101	74 - 127	172	115	13	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	49.0	98	67 - 138	63.2	126	25	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	50.7	101	69 - 132	64.2	128	23	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	57.8	116	57 - 139	54.1	108	7	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	49.6	99	72 - 136	58.6	117	17	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	70.0	**140***	56 - 124	68.8	**138***	2	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	48.9	98	74 - 126	52.7	105	7	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	49.1	98	72 - 122	52.6	105	7	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	50.9	102	71 - 126	53.6	107	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	49.4	99	69 - 129	55.6	111	12	20
71-43-2	Benzene	0.111U	0.111	50.0	50.0	100	70 - 129	52.8	106	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.5	99	76 - 129	53.2	106	7	20
108-88-3	Toluene	0.122U	0.122	50.0	48.7	97	72 - 120	52.2	104	7	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.9	100	74 - 123	53.4	107	7	20
Surrogate											
460-00-4	4-Bromofluorobenzene	48	96	50	50.2	100	78 - 130	50.3	101		
1868-53-7	Dibromofluoromethane	49.1	98	50	49.8	100	77 - 127	48.7	97		
2037-26-5	Toluene d8	50.3	101	50	49.9	100	76 - 134	49.2	98		
17060-07-0	1,2-Dichloroethane-d4	51	102	50	51.2	102	71 - 127	50	100		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch N/A	**GCAL ID**	21403150607	21403150608	21403150609
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/19/2014 19:34	03/19/2014 21:41	03/19/2014 22:02
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
71-55-6	1,1,1-Trichloroethane	0.00	0.123	50.0	54.3	109	76 - 126	53.3	107	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.109	50.0	51.9	104	70 - 122	50.6	101	3	30
79-00-5	1,1,2-Trichloroethane	0.00	0.159	50.0	50.5	101	72 - 121	51.7	103	2	30
75-34-3	1,1-Dichloroethane	0.00	0.171	50.0	54.6	109	74 - 127	53.3	107	2	30
75-35-4	1,1-Dichloroethene	0.00	0.208	50.0	55.2	110	69 - 129	53.7	107	3	20
120-82-1	1,2,4-Trichlorobenzene	0.00	0.105	50.0	47.3	95	61 - 135	54.0	108	13	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	0.194	50.0	50.1	100	57 - 121	49.2	98	2	30
106-93-4	1,2-Dibromoethane	0.00	0.102	50.0	49.3	99	70 - 124	51.0	102	3	30
95-50-1	1,2-Dichlorobenzene	0.00	0.135	50.0	49.0	98	71 - 126	49.7	99	1	30
107-06-2	1,2-Dichloroethane	0.00	0.116	50.0	50.8	102	71 - 129	50.4	101	1	30
78-87-5	1,2-Dichloropropane	0.00	0.150	50.0	53.4	107	72 - 128	52.5	105	2	30
541-73-1	1,3-Dichlorobenzene	0.00	0.138	50.0	49.9	100	74 - 126	49.8	100	0	30
106-46-7	1,4-Dichlorobenzene	0.00	0.083	50.0	48.7	97	72 - 122	49.5	99	2	30
78-93-3	2-Butanone	0.00	0.142	50.0	39.6	79	58 - 137	40.2	80	2	30
110-75-8	2-Chloroethylvinyl ether	0.00	0.146	50.0	0.00	**0***	56 - 124	0.00	**0***	0	30
591-78-6	2-Hexanone	0.00	0.122	50.0	42.7	85	50 - 135	43.2	86	1	30
108-10-1	4-Methyl-2-pentanone	0.00	0.120	50.0	50.4	101	57 - 132	51.7	103	3	30
67-64-1	Acetone	0.727	0.193	50.0	27.8	54	44 - 156	27.6	54	1	30
71-43-2	Benzene	0.00	0.111	50.0	52.1	104	70 - 129	51.3	103	2	20
75-27-4	Bromodichloromethane	0.00	0.083	50.0	52.0	104	74 - 125	52.1	104	0	30
75-25-2	Bromoform	0.00	0.215	50.0	45.4	91	64 - 122	47.5	95	5	30
74-83-9	Bromomethane	0.00	0.427	50.0	46.8	94	47 - 138	59.9	120	25	30
75-15-0	Carbon disulfide	0.00	0.190	50.0	55.5	111	69 - 136	54.6	109	2	30
56-23-5	Carbon tetrachloride	0.00	0.248	50.0	55.9	112	76 - 128	53.4	107	5	30
108-90-7	Chlorobenzene	0.00	0.083	50.0	50.5	101	74 - 123	50.4	101	0	20
75-00-3	Chloroethane	0.00	0.235	50.0	53.2	106	62 - 141	52.0	104	2	30
67-66-3	Chloroform	0.229	0.155	50.0	51.5	103	75 - 122	49.8	99	3	30
74-87-3	Chloromethane	0.00	0.144	50.0	44.3	89	59 - 132	49.3	99	11	30
110-82-7	Cyclohexane	0.00	0.337	50.0	57.3	115	69 - 132	57.2	114	0	30
124-48-1	Dibromochloromethane	0.00	0.054	50.0	50.6	101	71 - 123	51.6	103	2	30
75-71-8	Dichlorodifluoromethane	0.00	0.145	50.0	51.4	103	58 - 140	49.8	100	3	30
100-41-4	Ethylbenzene	0.00	0.109	50.0	51.4	103	74 - 126	50.3	101	2	30
98-82-8	Isopropylbenzene (Cumene)	0.00	0.130	50.0	53.1	106	71 - 125	53.1	106	0	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527958	**Client ID**	MPMW-15		MS-2				MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607		21403150608				21403150609			
		Sample Type	SAMPLE		MS				MSD			
		Analytical Date	03/19/2014 19:34		03/19/2014 21:41				03/19/2014 22:02			
		Matrix	Water		Water				Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**	**RPD**	**Limit**
79-20-9	Methyl Acetate	0.00	0.159	50.0	50.1	100	57 -	139	50.3	101	0	30
108-87-2	Methylcyclohexane	0.00	0.143	50.0	56.7	113	67 -	138	54.5	109	4	30
75-09-2	Methylene chloride	0.00	0.149	50.0	50.9	102	68 -	132	49.5	99	3	30
100-42-5	Styrene	0.00	0.089	50.0	52.8	106	71 -	127	53.5	107	1	30
127-18-4	Tetrachloroethene	1.07	0.193	50.0	50.5	99	68 -	128	50.2	98	1	30
108-88-3	Toluene	0.00	0.122	50.0	50.1	100	72 -	120	50.4	101	1	20
79-01-6	Trichloroethene	0.00	0.161	50.0	51.1	102	76 -	129	50.5	101	1	20
75-69-4	Trichlorofluoromethane	0.00	0.157	50.0	56.6	113	72 -	136	56.0	112	1	30
76-13-1	Trichlorotrifluoroethane	0.00	0.158	50.0	55.9	112	72 -	136	53.7	107	4	30
108-05-4	Vinyl acetate	0.00	0.151	50.0	62.2	124	54 -	147	61.0	122	2	30
75-01-4	Vinyl chloride	0.00	0.127	50.0	53.4	107	68 -	132	53.1	106	1	30
1330-20-7	Xylene (total)	0.00	0.179	150	156	104	74 -	127	156	104	0	30
156-59-2	cis-1,2-Dichloroethene	0.00	0.103	50.0	53.7	107	73 -	130	53.0	106	1	30
10061-01-5	cis-1,3-Dichloropropene	0.00	0.124	50.0	53.2	106	71 -	132	52.9	106	1	30
136777-61-2	m,p-Xylene	0.00	0.123	100	103	103	74 -	126	104	104	1	30
95-47-6	o-Xylene	0.00	0.055	50.0	52.4	105	73 -	130	52.6	105	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.078	50.0	51.0	102	71 -	125	51.1	102	0	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.077	50.0	54.7	109	69 -	132	53.7	107	2	30
10061-02-6	trans-1,3-Dichloropropene	0.00	0.128	50.0	52.9	106	71 -	131	53.1	106	0	30
Surrogate												
460-00-4	4-Bromofluorobenzene	48.2	96	50	48.8	98	78 -	130	48.9	98		
1868-53-7	Dibromofluoromethane	49.5	99	50	48.9	98	77 -	127	48.9	98		
2037-26-5	Toluene d8	49.8	100	50	50	100	76 -	134	49.4	99		
17060-07-0	1,2-Dichloroethane-d4	51.3	103	50	50.2	100	71 -	127	49	98		

General Chromatography Quality Control Summary

Analytical Batch	528337	**Client ID**	MB528337	LCS528337	
Prep Batch	N/A	**GCAL ID**	1296462	1296463	
		Sample Type	Method Blank	LCS	
		Analytical Date	03/25/2014 10:50	03/25/2014 10:58	
		Matrix	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	16.9	97	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	3.26	99	45 - 128
Surrogate							
115-07-1	Propene	28.7	71	40.5	26.1	64	40 - 143

Analytical Batch	528337	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch	N/A	**GCAL ID**	21403150607	21403150608	21403150609
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/25/2014 14:59	03/25/2014 15:05	03/25/2014 15:10
		Matrix	Water	Water	Water

RSK 175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-84-0	Ethane	0.00	0.087	3.28	3.37	103	45 - 128	3.15	96	7	29
74-85-1	Ethene	0.00	0.071	3.06	3.48	114	45 - 134	3.50	114	1	25
74-82-8	Methane	0.00	0.435	17.5	17.3	99	39 - 120	16.3	93	6	27
Surrogate											
115-07-1	Propene	30.4	75	40.5	26	64	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch	527676	**Client ID**	MB527676			LCS527676		
Prep Batch	N/A	**GCAL ID**	1293224			1293225		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/16/2014 18:07			03/16/2014 17:29		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.6	101	80 - 120	

Analytical Batch	527676	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/17/2014 04:39			03/17/2014 05:04			03/17/2014 05:27			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	2.1	0.30	50.0	57.3	110	75 - 125	57.3	110	0	25	

General Chemistry Quality Control Summary

Analytical Batch 527752	**Client ID**	MB527752			LCS527752			
Prep Batch N/A	**GCAL ID**	1293506			1293507			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result	**RDL**		**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U	2.00		25.0	25.8	103	80 - 120	

Analytical Batch 527752	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch N/A	**GCAL ID**	21403150607			21403150608			21403150609			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50			03/17/2014 17:50			
	Matrix	Water			Water			Water			
SM 4500-S2 F Sulfide Water	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result	**RDL**		**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000	2.00		25.0	25.2	101	75 - 125	25.4	102	1	25

General Chemistry Quality Control Summary

Analytical Batch	527631	**Client ID**	MB527631			LCS527631		
Prep Batch	N/A	**GCAL ID**	1293065			1293066		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/15/2014 11:30			03/15/2014 11:47		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.28	91	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.30	92	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.44	98	80 - 120	

Analytical Batch	527631	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/15/2014 14:08			03/15/2014 14:26			03/15/2014 14:43			
		Matrix	Water			Water			Water			
SW-846 9056A Inorganic Anions		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	0.633	0.050	2.50	2.81	87	80 - 120	2.84	88	1	15	

Analytical Batch	527631	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/15/2014 18:50			03/15/2014 19:43			03/15/2014 20:00			
		Matrix	Water			Water			Water			
SW-846 9056A Inorganic Anions		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.8	0.500	25.0	34.1	85	80 - 120	34.2	86	0	15	
14808-79-8	Sulfate	14.7	0.500	25.0	38.9	97	80 - 120	39.0	97	0	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECO

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031506
Due Date: 03/25/14

Report to:	**Bill to:**
Client: AMEC E+I	Client:
Address: 396 Plasters Ave NE Atlanta, GA	Address:
Contact: Daniel Morris	Contact: See Work Order
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Tela Noriskis, Mark Andrews

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.0 to 2.4

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (2)	Methane, Ethane, Ethene 25mL (2)	Chloride, Sulfate (1)	*NITRATE* 50mL (1)	Sulfide 50mL (1)	Preservative
W	3/14/14	0937		X	DPMW-4S								Please log as "DPMW-4S" 1
		1137			DPMW-1S								Please log as "DPMW-1S" 2
		1040			DPMW-2I								3
		1230			DPMW-2S								4
		1200			DUP-2								5
		1223			SMFDR-2								6
		0925			MPMW-1S								7
		0925			MS-2								8
		0925			MSD-2								9

Air Bill No: 7982-2752-6265

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☐ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/14/14	1250	Hugo Anez	03/14/14	12:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/15/14	0815		3/15/14	0845

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031506

SAMPLE DELIVERY GROUP 214031506	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Brown, Aaron D.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/15/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☐	☑	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7982 2752 6265		1.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/31/2014

GCAL Report 214031911

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031911

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528156, the %D/%Drift is outside ± 40% for Vinyl Acetate in the CCV. The response is high and this analyte was not detected in the associated samples. The LCS and/or LCSD recoveries are above the upper control limit for Vinyl acetate and 2-Chloroethylvinyl ether. These compounds were not detected in the associated samples. The LCS/LCSD exhibited RPD failures.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

For Sample 21403191101 (DPMW-3I), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031911

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	DPMW-3I	Water	03/18/2014 09:35	03/19/2014 10:20
21403191102	DPMW-3S	Water	03/18/2014 11:00	03/19/2014 10:20
21403191103	SMFMW-13	Water	03/18/2014 13:40	03/19/2014 10:20
21403191104	SMFMW-3	Water	03/18/2014 10:55	03/19/2014 10:20
21403191105	SMFMW-1D	Water	03/18/2014 12:12	03/19/2014 10:20
21403191106	SMFMW-4	Water	03/18/2014 13:48	03/19/2014 10:20
21403191107	TRIP BLANK	Water	03/18/2014 09:35	03/19/2014 10:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	DPMW-3I	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.86	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.15J	5.00	0.208	ug/L
67-66-3	Chloroform	0.425J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	16.5	5.00	0.193	ug/L
79-01-6	Trichloroethene	6.07	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	3.32J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	19.7	4.00	1.00	mg/L
14808-79-8	Sulfate	62.0	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	DPMW-3S	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.37	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.95J	1.0	0.30	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.505J	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.775J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	32.9	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.60J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.58J	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.4	4.00	1.00	mg/L
14808-79-8	Sulfate	79.8	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.26	0.200	0.050	mg/L
14797-55-8	Nitrate	0.465	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.65J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	13.2	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	SMFMW-3	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.0	4.00	1.00	mg/L
14797-55-8	Nitrate	14.5	4.00	1.00	mg/L
14808-79-8	Sulfate	7.67	4.00	1.00	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.2	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.322J	5.00	0.083	ug/L
67-66-3	Chloroform	3.45J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	54.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.16	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.274J	5.00	0.103	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.40	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	SMFMW-1D	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.67	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.3	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.584J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	1.11J	5.00	0.208	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.436J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.67J	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.13J	5.00	0.161	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.9	4.00	1.00	mg/L
14808-79-8	Sulfate	23.1	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.071J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	4.29J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.78J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	5.48	2.00	0.500	mg/L
14808-79-8	Sulfate	40.6	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:26	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.15J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.425J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**16.5**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**6.07**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.32J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:26	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.9	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:41	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	39	ug/L	96	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:12	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.00**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:12	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.86**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/19/2014 23:02	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**19.7**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**62.0**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:48	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.775J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**32.9**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.60J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.58J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:48	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	49	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:46	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.505J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.3	ug/L	70	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:34	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.95J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:04	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.37**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/19/2014 23:54	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.4**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**79.8**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:09	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.65J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:09	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.6	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.4	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:52	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.8	ug/L	64	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:56	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:22	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.26**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.465**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/20/2014 00:12	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**13.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:30	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.322J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**3.45J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**54.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.16**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.274J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:30	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.1	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:58	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 02:27	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.2**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.40**	**2.00**	**2.00**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 00:29	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.0**	**4.00**	**1.00**	**mg/L**
14797-55-8	**Nitrate**	**14.5**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 00:29	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**7.67**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:51	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.584J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**1.11J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.436J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.67J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.13J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:51	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 23:04	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22.9	ug/L	57	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 02:49	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:57	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.67**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 01:22	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.9**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**23.1**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:12	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.29J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:12	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.7	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.1	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 23:10	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.5	ug/L	80	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 03:15	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.78J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 17:14	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.071J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/20/2014 01:39	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**5.48**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**40.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:33	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:33	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528156	**Client ID**	MB528156	LCS528156	LCSD528156
Prep Batch N/A	**GCAL ID**	1295627	1295628	1295629
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/21/2014 18:23	03/21/2014 16:22	03/21/2014 17:20
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	52.7	105	44 - 156	48.8	98	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	53.1	106	74 - 125	46.4	93	13	30
75-25-2	Bromoform	0.215U	0.215	50.0	52.5	105	64 - 122	47.4	95	10	30
74-83-9	Bromomethane	0.427U	0.427	50.0	51.3	103	47 - 138	41.3	83	22	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	54.1	108	69 - 136	41.4	83	27	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.7	105	76 - 128	39.3	79	29	30
75-00-3	Chloroethane	0.235U	0.235	50.0	52.2	104	62 - 141	39.1	78	29	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	107	107	74 - 126	87.9	88	20	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.3	101	75 - 122	42.9	86	16	30
74-87-3	Chloromethane	0.144U	0.144	50.0	51.8	104	59 - 132	40.9	82	24	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	56.3	113	71 - 123	49.2	98	13	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	51.5	103	58 - 140	36.1	72	**35***	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	52.9	106	74 - 127	42.2	84	23	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	53.0	106	71 - 129	48.2	96	9	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	56.3	113	73 - 130	46.6	93	19	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	51.8	104	69 - 132	40.6	81	24	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	50.4	101	68 - 132	44.2	88	13	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.6	107	72 - 128	45.7	91	16	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	55.5	111	71 - 132	48.2	96	14	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	55.2	110	71 - 131	49.3	99	11	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	54.7	109	74 - 126	44.4	89	21	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	62.2	124	50 - 135	54.0	108	14	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	55.2	110	71 - 125	45.7	91	19	30
78-93-3	2-Butanone	0.142U	0.142	50.0	57.6	115	58 - 137	51.6	103	11	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	60.7	121	57 - 132	53.4	107	13	30
100-42-5	Styrene	0.089U	0.089	50.0	57.4	115	71 - 127	48.2	96	17	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	51.8	104	68 - 128	40.5	81	24	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	56.4	113	70 - 122	48.3	97	15	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	61.0	122	61 - 135	52.6	105	15	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	52.7	105	76 - 126	39.5	79	29	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	54.4	109	72 - 121	49.1	98	10	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	53.3	107	72 - 136	36.4	73	**38***	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	54.2	108	68 - 132	38.5	77	**34***	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528156	**Client ID**	MB528156			LCS528156				LCSD528156		
Prep Batch	N/A	**GCAL ID**	1295627			1295628				1295629		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/21/2014 18:23			03/21/2014 16:22				03/21/2014 17:20		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	54.3	109	73 - 130		47.0	94	14	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	60.2	120	57 - 121		53.4	107	12	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	56.4	113	70 - 124		50.4	101	11	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	84.1	**168***	54 - 147		62.9	126	29	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	55.3	111	71 - 125		50.5	101	9	30
1330-20-7	Xylene (total)	0.179U	0.179	150	161	107	74 - 127		135	90	18	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	54.6	109	67 - 138		43.8	88	22	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.9	106	69 - 132		41.6	83	24	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	54.7	109	57 - 139		50.0	100	9	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.0	104	72 - 136		39.0	78	29	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	68.6	**137***	56 - 124		68.8	**138***	0	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.9	106	74 - 126		47.0	94	12	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.7	103	72 - 122		46.0	92	12	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.5	105	71 - 126		47.7	95	10	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	53.6	107	69 - 129		38.6	77	**33***	20
71-43-2	Benzene	0.111U	0.111	50.0	52.9	106	70 - 129		42.5	85	**22***	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.1	106	76 - 129		42.9	86	**21***	20
108-88-3	Toluene	0.122U	0.122	50.0	53.6	107	72 - 120		42.7	85	**23***	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.6	105	74 - 123		44.1	88	18	20
Surrogate												
460-00-4	4-Bromofluorobenzene	49.1	98	50	50.1	100	78 - 130		51.1	102		
1868-53-7	Dibromofluoromethane	49.3	99	50	49.6	99	77 - 127		48.8	98		
2037-26-5	Toluene d8	50.2	100	50	50	100	76 - 134		49.6	99		
17060-07-0	1,2-Dichloroethane-d4	50	100	50	48.4	97	71 - 127		49.7	99		

General Chromatography Quality Control Summary

Analytical Batch	528707	**Client ID**	MB528707	LCS528707	LCSD528707
Prep Batch	N/A	**GCAL ID**	1298443	1298444	1298445
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	03/28/2014 22:21	03/28/2014 22:28	03/28/2014 22:34
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.435U	0.435	17.5	13.7	78	39 - 120	14.4	82	5	27
74-85-1	Ethene	0.071U	0.071	3.06	2.66	87	45 - 134	2.71	89	2	25
74-84-0	Ethane	0.087U	0.087	3.28	2.77	84	45 - 128	2.91	89	5	29
Surrogate											
115-07-1	Propene	23.4	58	40.5	22.6	56	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch	528021	**Client ID**	MB528021			LCS528021		
Prep Batch	N/A	**GCAL ID**	1294828			1294829		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/20/2014 15:14			03/20/2014 14:28		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	54.0	108	80 - 120	

Analytical Batch	528021	**Client ID**	DMW-17A-150314D			1293909MS			1293909MSD			
Prep Batch	N/A	**GCAL ID**	21403183832			1294832			1294833			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/20/2014 22:10			03/20/2014 22:35			03/20/2014 22:56			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	3.4	0.30	50.0	57.3	108	75 - 125	56.6	106	1	25	

General Chemistry Quality Control Summary

Analytical Batch	528321	Client ID	MB528321		LCS528321		
Prep Batch	N/A	GCAL ID	1296405		1296406		
		Sample Type	Method Blank		LCS		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	25.3	101	80 - 120

Analytical Batch	528321	Client ID	SMFMW-2		1294681MS		
Prep Batch	N/A	GCAL ID	21403200802		1296898		
		Sample Type	SAMPLE		MS		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	26.1	104	75 - 125

Analytical Batch	528321	Client ID	SMFMW-4		1294185DUP		
Prep Batch	N/A	GCAL ID	21403191106		1296408		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch	527928	**Client ID**	MB527928			LCS527928		
Prep Batch	N/A	**GCAL ID**	1294257			1294258		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/19/2014 14:37			03/19/2014 14:20		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.42	97	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.42	97	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120	

Analytical Batch	527928	**Client ID**	DPMW-3I			1294166MS			1294166MSD			
Prep Batch	N/A	**GCAL ID**	21403191101			1294259			1294260			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/19/2014 23:02			03/19/2014 23:20			03/19/2014 23:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	19.7	1.00	50.0	70.3	101	80 - 120	69.9	100	1	15	
14808-79-8	Sulfate	62.0	1.00	50.0	114	104	80 - 120	113	102	1	15	

Analytical Batch	527928	**Client ID**	DPMW-3I			1294166MS			1294166MSD			
Prep Batch	N/A	**GCAL ID**	21403191101			1294259			1294260			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/19/2014 15:12			03/19/2014 15:30			03/19/2014 15:47			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	1.86	0.050	2.50	4.64	112	80 - 120	4.61	110	1	15	

General Chemistry Quality Control Summary

Analytical Batch 527928		**Client ID**	WP003-MW-120			1294216MS			1294216MSD		
Prep Batch N/A		**GCAL ID**	21403191215			1294261			1294262		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/19/2014 18:59			03/19/2014 19:16			03/19/2014 19:33		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	0.250	0.050	2.50	2.76	100	80 - 120	2.77	101	0	15

GCAL ANALYTICAL LABORATORIES, LLC

CHAIN OF CUSTODY RECO

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031911
Due Date: 03/28/14

Report to:
Client: AMEC EKI
Address: 396 Plasters Ave NE
Atlanta, GA 30324
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address:
Contact: See Work Order
Phone:
E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris & Mark Andrews

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C: 3.2, 3.1, 2.3 EZL

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	*NITRATE**	Sulfide	Preservative
						3	2	2	1	1	1		←
W	03/18/14	0935		X	DPMW-3I		X	X	X	X	X	X	1
↓		1100		↓	DPMW-3S		↓	↓	↓	↓	↓	↓	2
		1340			SMFMW-13								3
		1055			SMFMW-3								4
		1212			SMFMW-1D								5
↓		1348			SMFMW-4		↓	↓	↓	↓	↓	↓	6
X		0935		↓	Trip Blank		X						7

Air Bill No: 7982 5607 6126

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/18/14	1430	HUBO AMEC	3/14/14	14:30
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/14	1020		3/19/14	1020
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031911

SAMPLE DELIVERY GROUP 214031911	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/19/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
798256076126		3.2
		3.1
		2.3

DISCREPANCIES

21403191101 - DPMW-3I:

Sample Discrepancy

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/01/2014

GCAL Report 214032008

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032008

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, sample 21403200804 (SMFDR-3) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403200801 (SMFMW-1), 21403200802 (SMFMW-2), 21403200803 (DUP-4), 21403200804 (SMFDR-3), 21403200805 (SMFPI-1), 21403200806 (DUP-5) and 21403200807 (SMFDS-3) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032008

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	SMFMW-1	Water	03/19/2014 11:00	03/20/2014 09:25
21403200802	SMFMW-2	Water	03/19/2014 12:55	03/20/2014 09:25
21403200803	DUP-4	Water	03/19/2014 12:00	03/20/2014 09:25
21403200804	SMFDR-3	Water	03/19/2014 10:23	03/20/2014 09:25
21403200805	SMFPI-1	Water	03/19/2014 12:03	03/20/2014 09:25
21403200806	DUP-5	Water	03/19/2014 12:00	03/20/2014 09:25
21403200807	SMFDS-3	Water	03/19/2014 14:15	03/20/2014 09:25
21403200808	TRIP BLANK	Water	03/19/2014 10:23	03/20/2014 09:25

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.49	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.762J	5.00	0.193	ug/L
71-43-2	Benzene	0.130J	5.00	0.111	ug/L
67-66-3	Chloroform	0.686J	5.00	0.155	ug/L
100-41-4	Ethylbenzene	0.317J	5.00	0.109	ug/L
108-87-2	Methylcyclohexane	0.465J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	4.58J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.43J	5.00	0.161	ug/L
1330-20-7	Xylene (total)	1.21J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.515J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.761J	10.0	0.123	ug/L
95-47-6	o-Xylene	0.452J	5.00	0.055	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.7	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.3	4.00	1.00	mg/L
14808-79-8	Sulfate	26.0	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.0	2.00	0.500	mg/L
14797-55-8	Nitrate	6.84	2.00	0.500	mg/L
14808-79-8	Sulfate	28.1	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.650J	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	SMFMW-2	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.16J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	129	5.00	0.193	ug/L
79-01-6	Trichloroethene	23.8	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	3.21J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	DUP-4	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.45	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.653J	5.00	0.193	ug/L
67-66-3	Chloroform	0.687J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	4.96J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.63J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.533J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.1	2.00	0.500	mg/L
14808-79-8	Sulfate	27.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	SMFDR-3	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.7	2.00	0.500	mg/L
14797-55-8	Nitrate	10.3	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	34.2	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.746J	10.0	0.387	ug/L
127-18-4	Tetrachloroethene	260	10.0	0.385	ug/L
79-01-6	Trichloroethene	7.53J	10.0	0.323	ug/L
1330-20-7	Xylene (total)	2.83J	30.0	0.358	ug/L
156-59-2	cis-1,2-Dichloroethene	1.77J	10.0	0.207	ug/L
136777-61-2	m,p-Xylene	1.56J	20.0	0.247	ug/L
95-47-6	o-Xylene	1.27J	10.0	0.111	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	31.9	2.00	0.500	mg/L
14797-55-8	Nitrate	9.64	2.00	0.500	mg/L
14808-79-8	Sulfate	46.4	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.736J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	6.41	5.00	0.193	ug/L
156-59-2	cis-1,2-Dichloroethene	1.14J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	31.6	2.00	0.500	mg/L
14797-55-8	Nitrate	9.21	2.00	0.500	mg/L
14808-79-8	Sulfate	46.1	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.666J	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	6.38	5.00	0.193	ug/L
1330-20-7	Xylene (total)	0.214J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	1.31J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.214J	10.0	0.123	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.9	2.00	0.500	mg/L
14797-55-8	Nitrate	13.9	2.00	0.500	mg/L
14808-79-8	Sulfate	48.7	2.00	0.500	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.66J	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.09J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	12.6	5.00	0.193	ug/L
156-59-2	cis-1,2-Dichloroethene	2.10J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.07J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 21:50	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.762J**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**0.130J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.686J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	**Ethylbenzene**	**0.317J**	**5.00**	**0.109**	**ug/L**
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**0.465J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.58J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.43J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**1.21J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.515J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.761J**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**0.452J**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 21:50	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.4	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	46.3	ug/L	93	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	39.9	ug/L	80	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:41	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.9	ug/L	89	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:03	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.7**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 15:17	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.49**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/21/2014 02:18	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.3**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**26.0**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 01:02	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.650J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**2.16J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**129**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**23.8**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.21J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 01:02	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.9	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	46.1	ug/L	92	77 - 127
2037-26-5	Toluene d8	50	52.6	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.7	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:47	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.7	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:25	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:11	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.0**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**6.84**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:11	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**28.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:11	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.653J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.687J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.96J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.63J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.533J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:11	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.6	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	45.5	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	40.3	ug/L	81	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:53	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.6	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:10	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 16:26	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.45**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:28	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**27.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/25/2014 00:41	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**0.746J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**260**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**7.53J**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	**Xylene (total)**	**2.83J**	**30.0**	**0.358**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.77J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	**m,p-Xylene**	**1.56J**	**20.0**	**0.247**	**ug/L**
95-47-6	**o-Xylene**	**1.27J**	**10.0**	**0.111**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/25/2014 00:41	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	102	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	100	93	ug/L	93	77 - 127
2037-26-5	Toluene d8	100	105	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	84.6	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:59	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.4	ug/L	78	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:32	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:45	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.7**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**10.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:45	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**34.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:32	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.736J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.41**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.14J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:32	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.8	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	45.6	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41	ug/L	82	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:04	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.8	ug/L	81	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:54	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:03	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**31.9**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**9.64**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:03	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:53	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.666J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.38**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**0.214J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.31J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.214J**	**10.0**	**0.123**	**ug/L**
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:53	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.9	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	46.7	ug/L	93	77 - 127
2037-26-5	Toluene d8	50	53.3	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.1	ug/L	82	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:10	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.9	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 19:15	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:55	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**31.6**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**9.21**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:55	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:14	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.09J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**12.6**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.10J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:14	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.2	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	45.6	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	52.4	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	39.7	ug/L	79	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:16	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.1	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 20:02	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.66J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 05:12	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.9**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**13.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 05:12	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**48.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:35	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.07J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:35	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.3	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	45.9	ug/L	92	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.2	ug/L	82	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528287	**Client ID**	MB528287	LCS528287	LCSD528287
Prep Batch N/A	**GCAL ID**	1296286	1296287	1296288
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/24/2014 16:25	03/24/2014 15:00	03/24/2014 15:20
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	34.7	69	44 - 156	38.2	76	10	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	45.6	91	74 - 125	46.8	94	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.3	97	64 - 122	52.0	104	7	30
74-83-9	Bromomethane	0.427U	0.427	50.0	60.1	120	47 - 138	61.1	122	2	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	53.0	106	69 - 136	54.0	108	2	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	44.5	89	76 - 128	44.4	89	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	59.6	119	62 - 141	58.9	118	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	114	114	74 - 126	115	115	1	30
67-66-3	Chloroform	0.155U	0.155	50.0	46.3	93	75 - 122	46.5	93	0	30
74-87-3	Chloromethane	0.144U	0.144	50.0	43.9	88	59 - 132	46.5	93	6	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.6	103	71 - 123	53.8	108	4	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	45.5	91	58 - 140	46.1	92	1	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	46.0	92	74 - 127	46.8	94	2	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	40.7	81	71 - 129	42.3	85	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	45.8	92	73 - 130	46.0	92	0	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	45.5	91	69 - 132	46.4	93	2	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	40.9	82	68 - 132	41.9	84	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	47.7	95	72 - 128	48.9	98	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.2	98	71 - 132	50.4	101	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	46.7	93	71 - 131	48.7	97	4	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	58.1	116	74 - 126	59.6	119	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	39.8	80	50 - 135	45.6	91	14	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	56.1	112	71 - 125	56.7	113	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	36.7	73	58 - 137	41.5	83	12	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	41.2	82	57 - 132	45.6	91	10	30
100-42-5	Styrene	0.089U	0.089	50.0	59.0	118	71 - 127	60.1	120	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	57.9	116	68 - 128	57.1	114	1	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	50.2	100	70 - 122	52.4	105	4	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	60.6	121	61 - 135	59.6	119	2	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	44.8	90	76 - 126	44.7	89	0	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	54.9	110	72 - 121	57.7	115	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	44.4	89	72 - 136	45.6	91	3	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	57.6	115	68 - 132	56.4	113	2	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528287	**Client ID**	MB528287			LCS528287				LCSD528287		
Prep Batch	N/A	**GCAL ID**	1296286			1296287				1296288		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/24/2014 16:25			03/24/2014 15:00				03/24/2014 15:20		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	57.9	116	73 -	130	59.1	118	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	50.7	101	57 -	121	55.8	112	10	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	54.2	108	70 -	124	57.1	114	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	37.9	76	54 -	147	39.1	78	3	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	45.8	92	71 -	125	48.3	97	5	30
1330-20-7	Xylene (total)	0.179U	0.179	150	172	115	74 -	127	174	116	1	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	58.4	117	67 -	138	57.0	114	2	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	50.8	102	69 -	132	50.7	101	0	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	36.7	73	57 -	139	40.7	81	10	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.3	105	72 -	136	53.2	106	2	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	40.6	81	56 -	124	52.3	105	25	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	53.0	106	74 -	126	53.4	107	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.6	103	72 -	122	52.6	105	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.3	105	71 -	126	52.8	106	1	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.2	108	69 -	129	54.1	108	0	20
71-43-2	Benzene	0.111U	0.111	50.0	51.2	102	70 -	129	52.6	105	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.2	106	76 -	129	55.5	111	4	20
108-88-3	Toluene	0.122U	0.122	50.0	55.8	112	72 -	120	56.9	114	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	56.2	112	74 -	123	57.0	114	1	20
Surrogate												
460-00-4	4-Bromofluorobenzene	52.6	105	50	53.7	107	78 -	130	53.7	107		
1868-53-7	Dibromofluoromethane	46.5	93	50	47.2	94	77 -	127	46.8	94		
2037-26-5	Toluene d8	53.5	107	50	53.4	107	76 -	134	53	106		
17060-07-0	1,2-Dichloroethane-d4	41.9	84	50	40.9	82	71 -	127	41.7	83		

General Chromatography Quality Control Summary

Analytical Batch	528826	**Client ID**	MB528826	LCS528826	LCSD528826
Prep Batch	N/A	**GCAL ID**	1298962	1298963	1298964
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	04/01/2014 10:52	04/01/2014 10:59	04/01/2014 11:05
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.435U	0.435	17.5	17.0	97	39 - 120	16.1	92	5	27
74-85-1	Ethene	0.071U	0.071	3.06	3.26	107	45 - 134	3.08	101	6	25
74-84-0	Ethane	0.087U	0.087	3.28	3.51	107	45 - 128	3.09	94	13	29
Surrogate											
115-07-1	Propene	28.2	70	40.5	33.3	82	40 - 143	31.5	78		

General Chemistry Quality Control Summary

Analytical Batch	528212	**Client ID**	MB528212			LCS528212		
Prep Batch	N/A	**GCAL ID**	1295919			1295920		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/24/2014 09:47			03/24/2014 08:53		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	52.5	105	80 - 120	

Analytical Batch	528212	**Client ID**	MSS004-G530 (60)-A14			1294224MS			1294224MSD			
Prep Batch	N/A	**GCAL ID**	21403191301			1295921			1295922			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/24/2014 10:10			03/24/2014 10:40			03/24/2014 11:12			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.36	0.30	50.0	52.6	104	75 - 125	53.4	106	2	25

Analytical Batch	528212	**Client ID**	SMFDS-3			1294689MS			1294689MSD			
Prep Batch	N/A	**GCAL ID**	21403200807			1295923			1295924			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/24/2014 20:02			03/24/2014 21:34			03/24/2014 21:54			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.66	0.30	50.0	54.1	107	75 - 125	54.4	108	1	25

General Chemistry Quality Control Summary

Analytical Batch	528321	Client ID	MB528321	LCS528321
Prep Batch	N/A	GCAL ID	1296405	1296406
		Sample Type	Method Blank	LCS
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	25.3	101	80 - 120

Analytical Batch	528321	Client ID	SMFMW-2	1294681MS
Prep Batch	N/A	GCAL ID	21403200802	1296898
		Sample Type	SAMPLE	MS
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	26.1	104	75 - 125

Analytical Batch	528321	Client ID	SMFMW-4	1294185DUP
Prep Batch	N/A	GCAL ID	21403191106	1296408
		Sample Type	SAMPLE	DUP
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch	528012	**Client ID**	MB528012			LCS528012			
Prep Batch	N/A	**GCAL ID**	1294790			1294791			
		Sample Type	Method Blank			LCS			
		Analytical Date	03/20/2014 14:42			03/20/2014 14:25			
		Matrix	Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**		
		Result	**RDL**	**Added**		**% R**	**Limits % R**		
16887-00-6	Chloride	0.050U	0.050	2.50	2.43	97	80 - 120		
14797-55-8	Nitrate	0.050U	0.050	2.50	2.52	101	80 - 120		
14808-79-8	Sulfate	0.050U	0.050	2.50	2.27	91	80 - 120		

Analytical Batch	528012	**Client ID**	SMFMW-1		1294680MS			1294680MSD			
Prep Batch	N/A	**GCAL ID**	21403200801		1294792			1294793			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/21/2014 02:18		03/21/2014 02:36			03/21/2014 02:53			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.3	1.00	50.0	72.4	102	80 - 120	72.2	102	0	15
14808-79-8	Sulfate	26.0	1.00	50.0	78.2	104	80 - 120	78.0	104	0	15

Analytical Batch	528012	**Client ID**	SMFMW-1		1294680MS			1294680MSD			
Prep Batch	N/A	**GCAL ID**	21403200801		1294792			1294793			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/20/2014 15:17		03/20/2014 15:34			03/20/2014 15:52			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.49	0.050	2.50	4.28	111	80 - 120	4.26	111	0	15

General Chemistry Quality Control Summary

Analytical Batch 528012	**Client ID**	MSS004-G500(65)-A14			1294688MS			1294688MSD			
Prep Batch N/A	**GCAL ID**	21403200707			1294794			1294795			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/20/2014 20:13			03/20/2014 20:30			03/20/2014 20:48			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
14797-55-8 Nitrate		0.459	0.050	2.50	2.96	100	80 - 120	2.99	101	1	15

Analytical Batch 528012	**Client ID**	MSS004-G500(65)-A14			1294688MS			1294688MSD			
Prep Batch N/A	**GCAL ID**	21403200707			1294794			1294795			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/20/2014 21:05			03/20/2014 21:57			03/20/2014 22:15			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
16887-00-6 Chloride		3.34	0.250	12.5	16.4	105	80 - 120	16.7	107	2	15

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY REC

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032008
Due Date: 04/01/14

LY

Report to:
Client: AMEC E&I
Address: 396 Plasters Ave
Atlanta GA
Contact: Daniel Morris
Phone: 770 547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address:
Contact: See work Order
Phone:
E-mail:

P.O. Number
Project Name/Number
Sampled By:

Analytical Requests & Method

GCAL use only:
Custody Seal
used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.9 E22

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (3)	Methane, Ethane, Ethene (2)	Chloride, Sulfate (1)	*NITRATE* (1)	Sulfide (1)	Preservative
W	03/19	1100			SMEMW-1		X	X	X	X	X	X	
		1255			SMEMW-2								1
		1200			DUP-4								2
		1023			SMFDR-3								3
		1203			SMFPI-1								4
		1200			DUP-5								5
		1415			SMFDS-3								6
↓	↓	1023			Trip Blank		↓	↓	↓	↓	↓	↓	7 *only VOC analysis 3/20 SH

K Carey 3/19/14

Air Bill No: 7982 7143 5848

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
K Carey	3/19/14	1500	Kuno Auer	3/19/14	15:00
FedEx	3/20/14	0925	Allison Nagy	3/20/14	0925

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032008

SAMPLE DELIVERY GROUP 214032008	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/20/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☐	☑	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: e22	Temp(°C)
798271435848		1.9

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.4

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/04/2014

GCAL Report 214032217

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032217

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528756, the LCS and/or LCSD recoveries are above the upper control limit for Bromomethane, Chloromethane, Methylene chloride and Vinyl chloride. This compound was not detected in the associated samples. The LCS/LCSD RPD is above the control limit for Bromomethane and 2-Chloroethylvinyl ether.

In the EPA 8260B analysis for analytical batch 528756, Acetone, Bromoform and Methylene chloride were detected at an estimated concentration in the method blank. This is probable laboratory contamination.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403221702 (SMFMW-11) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403221701 (SMFMW-17), 21403221705 (SMFDR-1), 21403221702 (SMFMW-11), 21403221703 (SMFMW-14) and 21403221704 (SMFMW-7) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

Samples 21403221701 (SMFMW-17), 21403221702 (SMFMW-11), 21403221703 (SMFMW-14), 21403221704 (SMFMW-7) and 21403221705 (SMFDR-1) were received outside of the prescribed holding time for EPA 9056A (Nitrate only). The analysis was still performed at the clients request.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032217

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	SMFMW-17	Water	03/20/2014 10:00	03/22/2014 13:05
21403221702	SMFMW-11	Water	03/20/2014 11:50	03/22/2014 13:05
21403221703	SMFMW-14	Water	03/20/2014 14:24	03/22/2014 13:05
21403221704	SMFMW-7	Water	03/20/2014 10:43	03/22/2014 13:05
21403221705	SMFDR-1	Water	03/20/2014 12:35	03/22/2014 13:05
21403221706	TRIP BLANK	Water	03/20/2014 10:00	03/22/2014 13:05

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.5	2.00	0.500	mg/L
14797-55-8	Nitrate	2.98	2.00	0.500	mg/L
14808-79-8	Sulfate	36.0	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.646J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.436J	5.00	0.208	ug/L
67-64-1	Acetone	2.45J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.187J	5.00	0.149	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	3.4	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.38J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	5.95	4.00	1.00	mg/L
14808-79-8	Sulfate	103	4.00	1.00	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	207	20.0	4.35	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	4.73	0.200	0.050	mg/L
14797-55-8	Nitrate	1.81	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.38J	5.00	0.193	ug/L
67-66-3	Chloroform	0.227J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	25.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.37	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.340J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	127	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.37	0.200	0.050	mg/L
14797-55-8	Nitrate	0.319	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	3.37J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.170J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	15.6	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	SMFMW-7	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	15.2	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	SMFDR-1	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.14	4.00	1.00	mg/L
14797-55-8	Nitrate	8.79	4.00	1.00	mg/L
14808-79-8	Sulfate	81.5	4.00	1.00	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	3.0	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.48J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.176J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	1.78J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	TRIP BLANK	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.88J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:27	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.646J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**0.436J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.45J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.187J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:27	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.5	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.9	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:44	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.7	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 01:24	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/23/2014 12:01	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.5**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**2.98**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/23/2014 12:01	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**36.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:51	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.38J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:51	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	44.9	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	52.3	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:53	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28	ug/L	69	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	04/03/2014 12:02	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**207**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 01:48	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**3.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:04	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 12:53	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**5.95**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**103**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:15	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.38J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.227J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**25.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.37**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.340J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:15	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	44.1	ug/L	88	78 - 130
1868-53-7	Dibromofluoromethane	50	52.1	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.1	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:09	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.6	ug/L	80	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 02:11	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:22	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**4.73**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**1.81**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:11	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**127**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:39	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**3.37J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.170J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.6**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:39	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	51.8	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:14	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35	ug/L	86	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 02:33	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:39	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.37**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.319**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 13:28	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**15.2**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:03	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.48J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.176J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.78J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:03	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.7	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	52.8	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	55	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:20	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	33.2	ug/L	82	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/31/2014 13:08	JEM	528820

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**3.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:45	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.14**	**4.00**	**1.00**	**mg/L**
14797-55-8	**Nitrate**	**8.79**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:45	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**81.5**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	**TRIP BLANK**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:27	CLH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.88J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	**TRIP BLANK**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:27	CLH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.1	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	53.9	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.9	ug/L	106	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528756	**Client ID**	MB528756	LCS528756	LCSD528756
Prep Batch N/A	**GCAL ID**	1298705	1298706	1298707
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/29/2014 23:05	03/29/2014 21:30	03/29/2014 21:54
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	1.49J	0.193	50.0	39.6	79	44 - 156	46.6	93	16	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	53.7	107	74 - 125	58.0	116	8	30
75-25-2	Bromoform	0.298J	0.215	50.0	46.5	93	64 - 122	48.5	97	4	30
74-83-9	Bromomethane	0.427U	0.427	50.0	72.6	**145***	47 - 138	99.2	**198***	**31***	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	54.3	109	69 - 136	64.6	129	17	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.5	103	76 - 128	56.0	112	8	30
75-00-3	Chloroethane	0.235U	0.235	50.0	56.2	112	62 - 141	66.5	133	17	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	104	104	74 - 126	111	111	7	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.4	101	75 - 122	55.8	112	10	30
74-87-3	Chloromethane	0.144U	0.144	50.0	70.4	**141***	59 - 132	83.3	**167***	17	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	48.2	96	71 - 123	51.0	102	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	51.0	102	58 - 140	58.0	116	13	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	53.4	107	74 - 127	58.4	117	9	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.4	103	71 - 129	56.4	113	9	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	52.4	105	73 - 130	58.9	118	12	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	53.0	106	69 - 132	63.1	126	17	30
75-09-2	Methylene chloride	0.246J	0.149	50.0	56.5	113	68 - 132	66.4	**133***	16	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.0	106	72 - 128	58.4	117	10	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	52.7	105	71 - 132	55.6	111	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.5	97	71 - 131	55.3	111	13	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.9	104	74 - 126	55.0	110	6	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	41.2	82	50 - 135	44.7	89	8	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.1	102	71 - 125	54.5	109	6	30
78-93-3	2-Butanone	0.142U	0.142	50.0	42.6	85	58 - 137	49.4	99	15	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.4	97	57 - 132	52.9	106	9	30
100-42-5	Styrene	0.089U	0.089	50.0	49.1	98	71 - 127	53.7	107	9	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	49.0	98	68 - 128	50.3	101	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	58.2	116	70 - 122	60.3	121	4	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	45.5	91	61 - 135	50.0	100	9	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	50.6	101	76 - 126	55.3	111	9	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.4	99	72 - 121	51.8	104	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	52.0	104	72 - 136	59.8	120	14	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	53.9	108	68 - 132	66.3	**133***	21	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528756	**Client ID**	MB528756			LCS528756				LCSD528756		
Prep Batch	N/A	**GCAL ID**	1298705			1298706				1298707		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/29/2014 23:05			03/29/2014 21:30				03/29/2014 21:54		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.2	100	73 - 130		53.1	106	6	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	43.9	88	57 - 121		46.2	92	5	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	48.6	97	70 - 124		49.7	99	2	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	49.0	98	54 - 147		53.7	107	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.1	102	71 - 125		58.4	117	13	30
1330-20-7	Xylene (total)	0.179U	0.179	150	154	103	74 - 127		164	109	6	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	59.6	119	67 - 138		62.0	124	4	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	58.5	117	69 - 132		62.8	126	7	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	56.4	113	57 - 139		65.7	131	15	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	55.8	112	72 - 136		61.7	123	10	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	31.7	63	56 - 124		47.1	94	**39***	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.6	101	74 - 126		53.7	107	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	47.6	95	72 - 122		52.2	104	9	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.1	104	71 - 126		54.2	108	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	52.4	105	69 - 129		62.6	125	18	20
71-43-2	Benzene	0.111U	0.111	50.0	53.9	108	70 - 129		60.2	120	11	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.9	100	76 - 129		53.5	107	7	20
108-88-3	Toluene	0.122U	0.122	50.0	50.6	101	72 - 120		54.4	109	7	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.5	99	74 - 123		52.9	106	7	20
Surrogate												
460-00-4	4-Bromofluorobenzene	41.3	83	50	46.7	93	78 - 130		45.9	92		
1868-53-7	Dibromofluoromethane	52.5	105	50	50.2	100	77 - 127		50.1	100		
2037-26-5	Toluene d8	54.2	108	50	47.4	95	76 - 134		47.3	95		
17060-07-0	1,2-Dichloroethane-d4	51.7	103	50	51.2	102	71 - 127		51.3	103		

General Chromatography Quality Control Summary

Analytical Batch 529126	**Client ID**	MB529126	LCS529126	LCSD529126	
Prep Batch N/A	**GCAL ID**	1300567	1300568	1300569	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/03/2014 10:53	04/03/2014 11:00	04/03/2014 11:10	
	Matrix	Water	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.4	94	39 - 120	15.5	89	6	27
74-85-1	Ethene	0.071U	0.071	3.06	3.16	103	45 - 134	3.03	99	4	25
74-84-0	Ethane	0.087U	0.087	3.28	3.15	96	45 - 128	3.03	92	4	29
Surrogate											
115-07-1	Propene	29.1	72	40.5	30.3	75	40 - 143	28.8	71		

General Chemistry Quality Control Summary

Analytical Batch	528639	Client ID	MB528639			LCS528639		
Prep Batch	N/A	GCAL ID	1298034			1298035		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/28/2014 13:58			03/28/2014 13:06		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.3	103	80 - 120

Analytical Batch	528639	Client ID	DMW-29B-200314			1295766MS			1295766MSD			
Prep Batch	N/A	GCAL ID	21403220825			1298038			1298039			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/28/2014 20:10			03/28/2014 20:33			03/28/2014 20:54			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.00	0.30	50.0	52.8	106	75 - 125	53.1	106	1	25

Analytical Batch	528820	Client ID	MB528820			LCS528820		
Prep Batch	N/A	GCAL ID	1298943			1298944		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/31/2014 11:56			03/31/2014 11:05		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.7	103	80 - 120

Analytical Batch	528820	Client ID	OU7-MW-77-210314			OU7-MW-77-210314 MS			OU7-MW-77-210314 MD			
Prep Batch	N/A	GCAL ID	21403255211			21403255212			21403255213			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	04/01/2014 01:08			04/01/2014 01:34			04/01/2014 01:56			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	4.8	1.5	250	270	106	75 - 125	272	107	1	25

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7		1295854DUP		
Prep Batch	N/A	**GCAL ID**	21403221704		1297635		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/27/2014 14:10		03/27/2014 14:10		
		Matrix	Water		Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528182	**Client ID**	MB528182			LCS528182		
Prep Batch	N/A	**GCAL ID**	1295784			1295785		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/22/2014 12:47			03/22/2014 12:30		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.41	96	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.49	100	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.46	99	80 - 120	

Analytical Batch	528182	**Client ID**	DPMW-27			1295702MS			1295702MSD			
Prep Batch	N/A	**GCAL ID**	21403220601			1295786			1295787			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/22/2014 20:03			03/22/2014 20:20			03/22/2014 20:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.250	12.5	24.8	105	80 - 120	25.2	108	2	15	
14797-55-8	Nitrate	4.24	0.250	12.5	17.2	104	80 - 120	17.1	103	0	15	
14808-79-8	Sulfate	20.5	0.250	12.5	33.0	99	80 - 120	32.6	96	1	15	

Analytical Batch	528182	**Client ID**	SMFMW-17			1295848MS			1295848MSD			
Prep Batch	N/A	**GCAL ID**	21403221701			1295870			1295871			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/23/2014 12:01			03/23/2014 12:18			03/23/2014 12:36			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0	40.4	112	80 - 120	40.5	112	0	15	
14797-55-8	Nitrate	2.98	0.500	25.0	27.3	97	80 - 120	27.4	98	0	15	
14808-79-8	Sulfate	36.0	0.500	25.0	62.3	105	80 - 120	62.1	104	0	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032217
Due Date: 04/02/14

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address: 396 Plasters Ave Atlanta, GA	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4469	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris / Mark Andrews

GCAL use only:
Custody Seal used ☐ yes ☐ no intact ☐ yes ☐ no
Temperature °C 4.3 EC2

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Chloride, Sulfate	*NITRATE*	Methane, Ethane, Ethene	Sulfide	Preservative
						↓	3	2	1	1	2	1	←
W	3/20	1000		X	SMEMW-17		X	X	X	X	X	X	-1
		1150			SMEMW-11								-2
		1424			SMEMW-14								-3
		1043			SMEMW-7								-4
		1235			SMEDR-1								-5
↓	↓	1000		↓	Trip Blank *		↓	↓	↓	↓	↓	↓	-6

3/20/14

Air Bill No: 7982-8721-4306

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/14	1518	AMEC	3/20/14	15:18
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) FedEx 7982 8721 4306	Date: 3/21/14	Time: 1040	Received by: (Signature)	Date: 3/21/14	Time: 1040

Note: * VOC analysis only 3/24 (SH)

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

3/22/14 1305 3/22/14 1305

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032217

SAMPLE DELIVERY GROUP 214032217	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Kinchen, Anna M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/22/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
		4.3

DISCREPANCIES

Sample received expired:

21403221701 - SMFMW-17

21403221702 - SMFMW-11

21403221703 - SMFMW-14

21403221704 - SMFMW-7

21403221705 - SMFDR-1

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/04/2014

GCAL Report 214032206

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032206

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 529104, the LCS/LCSD RPD is above the control limit for 2-Chloroethylvinyl ether.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403220601 (DPMW-27), 21403220602 (DPMW-26), 21403220603 (SMFMW-18) and 21403220604 (SMFMW-6) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

In the EPA 9060A analysis, sample 21403220603 (SMFMW-18) had to be diluted in order to bracket the Total Carbon and/or Total Inorganic Carbon concentrations within the calibration range of the instrument. The Total Organic Carbon is based on the difference between the Total Carbon and the Inorganic Carbon. The dilution is reflected in the elevated reporting limit.

MISCELLANEOUS

For Sample 21403220601 (DPMW-27), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032206

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	DPMW-27	Water	03/21/2014 11:00	03/22/2014 09:40
21403220602	DPMW-26	Water	03/21/2014 11:03	03/22/2014 09:40
21403220603	SMFMW-18	Water	03/21/2014 10:35	03/22/2014 09:40
21403220604	SMFMW-6	Water	03/21/2014 12:30	03/22/2014 09:40

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	DPMW-27	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	11.7	1.00	0.250	mg/L
14797-55-8	Nitrate	4.24	1.00	0.250	mg/L
14808-79-8	Sulfate	20.5	1.00	0.250	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.07J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	DPMW-26	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.899	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.3	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.998J	1.00	0.087	ug/L
74-82-8	Methane	2.06	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.351J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	37.7	5.00	0.193	ug/L
79-01-6	Trichloroethene	11.0	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	9.41	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.5	1.00	0.250	mg/L
14808-79-8	Sulfate	24.8	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	4.75	0.400	0.100	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.208J	5.00	0.111	ug/L
67-66-3	Chloroform	0.172J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	2.92J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.860J	5.00	0.161	ug/L
75-01-4	Vinyl chloride	0.992J	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	4.19J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	6.1	5.0	1.5	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.72	4.00	1.00	mg/L
14808-79-8	Sulfate	106	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.113J	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
95-50-1	1,2-Dichlorobenzene	0.683J	5.00	0.135	ug/L
106-46-7	1,4-Dichlorobenzene	0.203J	5.00	0.083	ug/L
78-93-3	2-Butanone	1.71J	5.00	0.142	ug/L
591-78-6	2-Hexanone	7.03	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.977J	5.00	0.120	ug/L
67-64-1	Acetone	6.01	5.00	0.193	ug/L
110-82-7	Cyclohexane	0.780J	5.00	0.337	ug/L
100-41-4	Ethylbenzene	22.4	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	24.4	5.00	0.130	ug/L
108-87-2	Methylcyclohexane	4.05J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	25.1	5.00	0.193	ug/L
108-88-3	Toluene	1.24J	5.00	0.122	ug/L
79-01-6	Trichloroethene	1.25J	5.00	0.161	ug/L
1330-20-7	Xylene (total)	159	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.337J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	42.3	10.0	0.123	ug/L
95-47-6	o-Xylene	117	5.00	0.055	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.539J	1.00	0.087	ug/L
74-82-8	Methane	6.20	2.00	0.435	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	16.5	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.94	1.00	0.250	mg/L
14808-79-8	Sulfate	30.5	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:09	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.07J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:09	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.4	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	47.3	ug/L	95	77 - 127
2037-26-5	Toluene d8	50	51.4	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.6	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:18	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.9	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 13:28	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/22/2014 20:03	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**11.7**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**4.24**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/22/2014 20:03	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**20.5**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:31	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.351J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**37.7**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**11.0**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**9.41**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:31	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.2	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	47.8	ug/L	96	77 - 127
2037-26-5	Toluene d8	50	53.8	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.3	ug/L	83	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:24	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.998J**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**2.06**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.9	ug/L	74	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 13:52	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 14:14	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.899**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 11:26	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.5**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**24.8**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:54	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	**Benzene**	**0.208J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.172J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.92J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.860J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**0.992J**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**4.19J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:54	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.7	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	46.9	ug/L	94	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.3	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:30	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/31/2014 00:13	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**6.1**	**5.0**	**1.5**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/22/2014 20:55	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**4.75**	**0.400**	**0.100**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 00:06	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.72**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**106**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 03:58	JCK	529104

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	**1,2-Dichlorobenzene**	**0.683J**	**5.00**	**0.135**	**ug/L**
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	**1,4-Dichlorobenzene**	**0.203J**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**1.71J**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**7.03**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**0.977J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**6.01**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	**Cyclohexane**	**0.780J**	**5.00**	**0.337**	**ug/L**
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	**Ethylbenzene**	**22.4**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**24.4**	**5.00**	**0.130**	**ug/L**
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**4.05J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**25.1**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**1.24J**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**1.25J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**159**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.337J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**42.3**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**117**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 03:58	JCK	529104

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	63.7	ug/L	127	78 - 130
1868-53-7	Dibromofluoromethane	50	52.6	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	47.9	ug/L	96	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.9	ug/L	94	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:38	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.539J**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**6.20**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.5	ug/L	88	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 14:49	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**16.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 14:49	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.113J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 00:24	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.94**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**30.5**	**1.00**	**0.250**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 528711	**Client ID**	MB528711	LCS528711	LCSD528711
Prep Batch N/A	**GCAL ID**	1298455	1298456	1298457
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/29/2014 00:42	03/28/2014 23:17	03/28/2014 23:38
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	33.4	67	44 - 156	35.2	70	5	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	43.6	87	74 - 125	44.2	88	1	30
75-25-2	Bromoform	0.215U	0.215	50.0	44.5	89	64 - 122	47.4	95	6	30
74-83-9	Bromomethane	0.427U	0.427	50.0	53.8	108	47 - 138	59.4	119	10	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.8	106	69 - 136	50.5	101	4	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	43.8	88	76 - 128	42.7	85	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	57.5	115	62 - 141	56.8	114	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	115	115	74 - 126	111	111	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	44.2	88	75 - 122	44.6	89	1	30
74-87-3	Chloromethane	0.144U	0.144	50.0	44.2	88	59 - 132	45.2	90	2	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	47.1	94	71 - 123	49.9	100	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	44.7	89	58 - 140	43.6	87	2	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	44.8	90	74 - 127	45.2	90	1	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	39.1	78	71 - 129	39.8	80	2	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	44.9	90	73 - 130	44.1	88	2	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	45.7	91	69 - 132	45.3	91	1	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	41.1	82	68 - 132	40.9	82	1	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	46.5	93	72 - 128	47.4	95	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	47.8	96	71 - 132	48.3	97	1	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	45.2	90	71 - 131	46.2	92	2	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	57.9	116	74 - 126	57.0	114	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	39.6	79	50 - 135	43.1	86	8	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	58.0	116	71 - 125	55.2	110	5	30
78-93-3	2-Butanone	0.142U	0.142	50.0	36.3	73	58 - 137	38.4	77	6	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	39.0	78	57 - 132	42.2	84	8	30
100-42-5	Styrene	0.089U	0.089	50.0	58.2	116	71 - 127	57.3	115	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	58.6	117	68 - 128	55.7	111	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	43.5	87	70 - 122	48.4	97	11	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	53.6	107	61 - 135	56.0	112	4	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	43.8	88	76 - 126	42.6	85	3	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.9	100	72 - 121	52.7	105	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	42.6	85	72 - 136	42.2	84	1	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	55.4	111	68 - 132	55.4	111	0	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528711	**Client ID**	MB528711			LCS528711				LCSD528711		
Prep Batch	N/A	**GCAL ID**	1298455			1298456				1298457		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/29/2014 00:42			03/28/2014 23:17				03/28/2014 23:38		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	58.5	117	73 -	130	56.8	114	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	40.1	80	57 -	121	48.0	96	18	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.2	98	70 -	124	52.8	106	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	58.9	118	54 -	147	59.6	119	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	44.2	88	71 -	125	45.8	92	4	30
1330-20-7	Xylene (total)	0.179U	0.179	150	174	116	74 -	127	168	112	4	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	61.4	123	67 -	138	55.8	112	10	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	53.4	107	69 -	132	49.5	99	8	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	37.6	75	57 -	139	38.4	77	2	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	53.3	107	72 -	136	50.1	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	56.5	113	56 -	124	45.3	91	22	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.2	102	74 -	126	50.7	101	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	49.2	98	72 -	122	50.2	100	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	49.5	99	71 -	126	49.5	99	0	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.0	108	69 -	129	52.5	105	3	20
71-43-2	Benzene	0.111U	0.111	50.0	50.3	101	70 -	129	50.3	101	0	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.1	106	76 -	129	52.9	106	0	20
108-88-3	Toluene	0.122U	0.122	50.0	52.7	105	72 -	120	53.5	107	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	54.0	108	74 -	123	54.1	108	0	20
Surrogate												
460-00-4	4-Bromofluorobenzene	53.1	106	50	53.9	108	78 -	130	54.9	110		
1868-53-7	Dibromofluoromethane	47.9	96	50	47.6	95	77 -	127	47.7	95		
2037-26-5	Toluene d8	52	104	50	51.2	102	76 -	134	52.1	104		
17060-07-0	1,2-Dichloroethane-d4	41.8	84	50	41.4	83	71 -	127	41.1	82		

GC/MS Volatiles Quality Control Summary

Analytical Batch 529104	**Client ID**	MB529104	LCS529104	LCSD529104
Prep Batch N/A	**GCAL ID**	1300470	1300471	1300472
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/03/2014 03:10	04/03/2014 01:09	04/03/2014 01:33
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	37.2	74	44 - 156	36.6	73	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	48.4	97	74 - 125	44.9	90	8	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.6	101	64 - 122	50.2	100	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	48.5	97	47 - 138	51.9	104	7	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	44.7	89	69 - 136	43.2	86	3	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	49.0	98	76 - 128	44.3	89	10	30
75-00-3	Chloroethane	0.235U	0.235	50.0	40.5	81	62 - 141	40.3	81	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	103	103	74 - 126	94.1	94	9	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.8	96	75 - 122	43.1	86	10	30
74-87-3	Chloromethane	0.144U	0.144	50.0	45.2	90	59 - 132	43.4	87	4	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.7	101	71 - 123	49.1	98	3	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	46.0	92	58 - 140	42.0	84	9	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	47.3	95	74 - 127	43.5	87	8	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	46.2	92	71 - 129	44.3	89	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	49.1	98	73 - 130	44.9	90	9	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	47.5	95	69 - 132	40.9	82	15	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.1	96	68 - 132	44.2	88	8	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.8	100	72 - 128	46.6	93	7	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.4	99	71 - 132	45.4	91	8	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.4	97	71 - 131	45.1	90	7	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.0	102	74 - 126	47.0	94	8	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	38.1	76	50 - 135	39.3	79	3	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.9	104	71 - 125	47.1	94	10	30
78-93-3	2-Butanone	0.142U	0.142	50.0	41.5	83	58 - 137	39.9	80	4	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.7	89	57 - 132	45.7	91	2	30
100-42-5	Styrene	0.089U	0.089	50.0	51.7	103	71 - 127	48.8	98	6	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	52.5	105	68 - 128	47.3	95	10	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.1	96	70 - 122	47.1	94	2	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	50.0	100	61 - 135	46.9	94	6	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	47.2	94	76 - 126	42.8	86	10	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.3	97	72 - 121	47.0	94	3	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	47.4	95	72 - 136	43.7	87	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	46.1	92	68 - 132	44.9	90	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	529104	**Client ID**	MB529104			LCS529104				LCSD529104		
Prep Batch	N/A	**GCAL ID**	1300470			1300471				1300472		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/03/2014 03:10			04/03/2014 01:09				04/03/2014 01:33		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.9	102	73 - 130		47.4	95	7	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	41.0	82	57 - 121		42.8	86	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.3	101	70 - 124		48.0	96	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	44.6	89	54 - 147		40.6	81	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	48.2	96	71 - 125		44.2	88	9	30
1330-20-7	Xylene (total)	0.179U	0.179	150	154	103	74 - 127		142	95	8	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	57.0	114	67 - 138		48.6	97	16	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.1	104	69 - 132		45.5	91	14	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	41.3	83	57 - 139		34.0	68	19	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	47.8	96	72 - 136		44.9	90	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	49.3	99	56 - 124		34.1	68	**36***	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.7	101	74 - 126		46.9	94	8	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.1	100	72 - 122		47.1	94	6	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.0	104	71 - 126		49.6	99	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	45.3	91	69 - 129		45.4	91	0	20
71-43-2	Benzene	0.111U	0.111	50.0	50.2	100	70 - 129		46.2	92	8	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	51.6	103	76 - 129		47.8	96	8	20
108-88-3	Toluene	0.122U	0.122	50.0	50.3	101	72 - 120		46.6	93	8	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	51.3	103	74 - 123		48.1	96	6	20
Surrogate												
460-00-4	4-Bromofluorobenzene	51.4	103	50	56.2	112	78 - 130		56.2	112		
1868-53-7	Dibromofluoromethane	52.3	105	50	50.1	100	77 - 127		49.7	99		
2037-26-5	Toluene d8	56.3	113	50	48.2	96	76 - 134		48.6	97		
17060-07-0	1,2-Dichloroethane-d4	47.7	95	50	49.3	99	71 - 127		48.1	96		

General Chromatography Quality Control Summary

Analytical Batch 529126	**Client ID**	MB529126	LCS529126	LCSD529126	
Prep Batch N/A	**GCAL ID**	1300567	1300568	1300569	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/03/2014 10:53	04/03/2014 11:00	04/03/2014 11:10	
	Matrix	Water	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.4	94	39 - 120	15.5	89	6	27
74-85-1	Ethene	0.071U	0.071	3.06	3.16	103	45 - 134	3.03	99	4	25
74-84-0	Ethane	0.087U	0.087	3.28	3.15	96	45 - 128	3.03	92	4	29
Surrogate											
115-07-1	Propene	29.1	72	40.5	30.3	75	40 - 143	28.8	71		

General Chemistry Quality Control Summary

Analytical Batch	528616	Client ID	MB528616			LCS528616		
Prep Batch	N/A	GCAL ID	1297955			1297956		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/28/2014 10:47			03/28/2014 09:51		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	ND	0.30	50.0	49.6	99	80 - 120

Analytical Batch	528616	Client ID	DMW-13A-200314			DMW-13A-200314 MS			DMW-13A-200314 MD			
Prep Batch	N/A	GCAL ID	21403220802			21403220803			21403220804			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/28/2014 15:14			03/28/2014 15:38			03/28/2014 17:22			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	2.0	0.30	50.0	53.4	103	75 - 125	53.9	104	1	25

Analytical Batch	528719	Client ID	MB528719			LCS528719		
Prep Batch	N/A	GCAL ID	1298503			1298504		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/30/2014 10:01			03/30/2014 09:09		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.9	102	80 - 120

Analytical Batch	528719	Client ID	OU7-MW-83-210314D			1296686MS			1296686MSD			
Prep Batch	N/A	GCAL ID	21403255203			1298507			1298508			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 22:58			03/30/2014 23:23			03/30/2014 23:48			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	5.0	0.30	50.0	56.3	103	75 - 125	58.8	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7	1295854DUP			
Prep Batch	N/A	**GCAL ID**	21403221704	1297635			
		Sample Type	SAMPLE	DUP			
		Analytical Date	03/27/2014 14:10	03/27/2014 14:10			
		Matrix	Water	Water			
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528182	**Client ID**	MB528182			LCS528182		
Prep Batch	N/A	**GCAL ID**	1295784			1295785		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/22/2014 12:47			03/22/2014 12:30		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.41	96	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.49	100	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.46	99	80 - 120	

Analytical Batch	528182	**Client ID**	DPMW-27			1295702MS			1295702MSD			
Prep Batch	N/A	**GCAL ID**	21403220601			1295786			1295787			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/22/2014 20:03			03/22/2014 20:20			03/22/2014 20:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.250	12.5	24.8	105	80 - 120	25.2	108	2	15	
14797-55-8	Nitrate	4.24	0.250	12.5	17.2	104	80 - 120	17.1	103	0	15	
14808-79-8	Sulfate	20.5	0.250	12.5	33.0	99	80 - 120	32.6	96	1	15	

Analytical Batch	528182	**Client ID**	SMFMW-17			1295848MS			1295848MSD			
Prep Batch	N/A	**GCAL ID**	21403221701			1295870			1295871			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/23/2014 12:01			03/23/2014 12:18			03/23/2014 12:36			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0	40.4	112	80 - 120	40.5	112	0	15	
14797-55-8	Nitrate	2.98	0.500	25.0	27.3	97	80 - 120	27.4	98	0	15	
14808-79-8	Sulfate	36.0	0.500	25.0	62.3	105	80 - 120	62.1	104	0	15	

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032206
Due Date: 04/02/14

Report to:
Client: AMEC E+I
Address:
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews / Tela Noviekis

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
Custody Seal intact ☑ yes ☐ no
Temperature °C 0.2, 5.6 (E24)

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	TOC 2	VOCs 8260B 3	Methane, Ethane, Ethene 2	Chloride, Sulfate 1	*NITRATE* 1	Sulfide 1	Preservative
W	3/21	1100		X	DPMW-27		X	X	X	X	X	X	01
↓	↓	1103		↓	DPMW-26		↓	↓	↓	↓	↓	↓	02
		1035			SMFMW-18								03
		1230			SMFMW-6								04
↓	↓	1035		↓	TRIP BLANK*		↓	↓	↓	↓	↓	↓	05

3/21/14

Air Bill No: 7982 9662 4368

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/14	1246	FedEx	3/21/14	12:46
FedEx				3-22-14	0940
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note: *Trip blank not received 3/25 SH

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032206

SAMPLE DELIVERY GROUP 214032206

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Naquin, Allison
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/22/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7982 9662 4368		0.2

DISCREPANCIES

21403220601 - DPMW-27:
Sample Discrepancy
21403220605 - TRIP BLANK:
Missing sample

LAB PRESERVATIONS

None

NOTES ALL VOA VIALS RECEIVED LABELED DPMW-7

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/07/2014

GCAL Report 214032510

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032510

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528766, the LCS and/or LCSD recoveries are above the upper control limit for Chloromethane and Bromomethane. These compounds were not detected in the associated samples. Acetone, Bromoform and Methylene chloride were detected at an estimated concentration in the method blank. This is probable laboratory contamination.

CONVENTIONALS

In the EPA 9056A analysis, all amples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032510

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	SMFMW-9	Water	03/24/2014 10:15	03/25/2014 10:30
21403251002	SMFMW-10	Water	03/24/2014 12:00	03/25/2014 10:30
21403251003	DPMW-25	Water	03/24/2014 10:53	03/25/2014 10:30
21403251004	DPMW-28	Water	03/24/2014 13:13	03/25/2014 10:30

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.796	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.36J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.189J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	3.36J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.75J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	13.6	2.00	0.500	mg/L
14808-79-8	Sulfate	52.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	3.38	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.86J	5.00	0.193	ug/L
75-25-2	Bromoform	0.330J	5.00	0.215	ug/L
75-09-2	Methylene chloride	0.161J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	7.69	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.189J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.708J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.35J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	17.8	1.00	0.250	mg/L
14797-55-8	Nitrate	5.28	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.63	1.00	0.250	mg/L
14797-55-8	Nitrate	6.82	1.00	0.250	mg/L
14808-79-8	Sulfate	17.4	1.00	0.250	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	3.61J	5.00	0.193	ug/L
75-25-2	Bromoform	0.322J	5.00	0.215	ug/L
67-66-3	Chloroform	5.69	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	63.8	5.00	0.193	ug/L
79-01-6	Trichloroethene	7.59	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	2.95J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.04	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.96J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.381J	5.00	0.083	ug/L
67-66-3	Chloroform	10.9	5.00	0.155	ug/L
75-09-2	Methylene chloride	0.286J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	15.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.41J	5.00	0.161	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.28	1.00	0.250	mg/L
14808-79-8	Sulfate	20.8	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 13:38	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.36J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.189J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**3.36J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 13:38	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.5	ug/L	85	78 - 130
1868-53-7	Dibromofluoromethane	50	52.2	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.3	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.5	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:23	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.9	ug/L	76	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 19:34	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.75J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:22	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.796**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/26/2014 06:03	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**13.6**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**52.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:03	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.86J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	**Bromoform**	**0.330J**	**5.00**	**0.215**	**ug/L**
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.161J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.69**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.189J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.708J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:03	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.9	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	50.9	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:32	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.5	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 19:57	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.35J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 16:15	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**3.38**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 06:56	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**17.8**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**5.28**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:27	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**3.61J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	**Bromoform**	**0.322J**	**5.00**	**0.215**	**ug/L**
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**5.69**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**63.8**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**7.59**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.95J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:27	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.7	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	53.2	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.3	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:39	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	36.5	ug/L	90	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 20:20	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:14	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.63**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**6.82**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:14	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**17.4**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:51	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.96J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.381J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**10.9**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.286J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.41J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:51	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.7	ug/L	85	78 - 130
1868-53-7	Dibromofluoromethane	50	53.2	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	53.7	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:44	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.3	ug/L	87	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 20:44	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 16:50	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.04**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:31	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.28**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**20.8**	**1.00**	**0.250**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 528766	**Client ID**	MB528766	LCS528766	LCSD528766
Prep Batch N/A	**GCAL ID**	1298726	1298727	1298728
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/30/2014 13:14	03/30/2014 10:50	03/30/2014 11:14
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	1.77J	0.193	50.0	38.3	77	44 - 156	48.7	97	24	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.3	105	74 - 125	54.6	109	4	30
75-25-2	Bromoform	0.240J	0.215	50.0	45.2	90	64 - 122	48.6	97	7	30
74-83-9	Bromomethane	0.427U	0.427	50.0	60.6	121	47 - 138	78.5	**157***	26	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	57.5	115	69 - 136	58.0	116	1	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.8	106	76 - 128	52.6	105	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	58.3	117	62 - 141	59.4	119	2	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	102	102	74 - 126	105	105	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.6	101	75 - 122	52.7	105	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	66.7	**133***	59 - 132	72.2	**144***	8	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	47.5	95	71 - 123	50.3	101	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	50.9	102	58 - 140	53.6	107	5	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	53.5	107	74 - 127	57.3	115	7	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	50.9	102	71 - 129	54.7	109	7	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	53.2	106	73 - 130	55.3	111	4	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	54.6	109	69 - 132	59.3	119	8	30
75-09-2	Methylene chloride	0.201J	0.149	50.0	55.3	111	68 - 132	62.6	125	12	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	51.6	103	72 - 128	55.2	110	7	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.8	102	71 - 132	53.1	106	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.4	97	71 - 131	52.4	105	8	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.9	104	74 - 126	52.3	105	1	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	40.3	81	50 - 135	48.1	96	18	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.2	102	71 - 125	51.5	103	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	44.5	89	58 - 137	52.3	105	16	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.0	96	57 - 132	56.2	112	16	30
100-42-5	Styrene	0.089U	0.089	50.0	50.5	101	71 - 127	52.4	105	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.9	96	68 - 128	47.0	94	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	55.7	111	70 - 122	61.1	122	9	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	46.1	92	61 - 135	48.5	97	5	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.6	103	76 - 126	52.3	105	1	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	47.5	95	72 - 121	51.3	103	8	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	53.0	106	72 - 136	56.5	113	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	51.4	103	68 - 132	59.4	119	14	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528766	**Client ID**	MB528766			LCS528766				LCSD528766		
Prep Batch	N/A	**GCAL ID**	1298726			1298727				1298728		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/30/2014 13:14			03/30/2014 10:50				03/30/2014 11:14		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**		**Result**		**Control**		**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**		**% R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0		50.0	100	73 -	130	51.2	102	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0		41.9	84	57 -	121	48.5	97	15	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0		46.5	93	70 -	124	50.2	100	8	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0		44.8	90	54 -	147	47.1	94	5	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0		49.8	100	71 -	125	55.7	111	11	30
1330-20-7	Xylene (total)	0.179U	0.179	150		152	101	74 -	127	156	104	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0		58.1	116	67 -	138	56.8	114	2	30
110-82-7	Cyclohexane	0.337U	0.337	50.0		59.1	118	69 -	132	58.2	116	2	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0		56.0	112	57 -	139	64.8	130	15	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0		57.3	115	72 -	136	56.8	114	1	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0		42.5	85	56 -	124	48.2	96	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0		49.6	99	74 -	126	51.7	103	4	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0		48.8	98	72 -	122	50.0	100	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0		50.9	102	71 -	126	53.0	106	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0		54.1	108	69 -	129	55.1	110	2	20
71-43-2	Benzene	0.111U	0.111	50.0		54.9	110	70 -	129	55.7	111	1	20
79-01-6	Trichloroethene	0.161U	0.161	50.0		48.3	97	76 -	129	50.5	101	4	20
108-88-3	Toluene	0.122U	0.122	50.0		50.6	101	72 -	120	51.9	104	3	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0		49.3	99	74 -	123	51.0	102	3	20
Surrogate													
460-00-4	4-Bromofluorobenzene	42.3	85	50		46.2	92	78 -	130	46.5	93		
1868-53-7	Dibromofluoromethane	52.5	105	50		51.3	103	77 -	127	51	102		
2037-26-5	Toluene d8	53.7	107	50		47.6	95	76 -	134	47	94		
17060-07-0	1,2-Dichloroethane-d4	51	102	50		51.2	102	71 -	127	52.4	105		

General Chromatography Quality Control Summary

Analytical Batch	529262	**Client ID**	MB529262	LCS529262	LCSD529262
Prep Batch	N/A	**GCAL ID**	1301214	1301215	1301216
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	04/04/2014 12:54	04/04/2014 13:00	04/04/2014 13:14
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
74-82-8	Methane	0.435U	0.435	17.5	14.8	85	39 - 120	15.5	89	5	27
74-85-1	Ethene	0.071U	0.071	3.06	2.81	92	45 - 134	2.96	97	5	25
74-84-0	Ethane	0.087U	0.087	3.28	2.89	88	45 - 128	3.03	92	5	29
Surrogate											
115-07-1	Propene	31.1	77	40.5	27.1	67	40 - 143	28.1	69		

General Chemistry Quality Control Summary

Analytical Batch	528719	Client ID	MB528719			LCS528719		
Prep Batch	N/A	GCAL ID	1298503			1298504		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/30/2014 10:01			03/30/2014 09:09		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.9	102	80 - 120	

Analytical Batch	528719	Client ID	OU7-MW-83-210314D			1296686MS			1296686MSD			
Prep Batch	N/A	GCAL ID	21403255203			1298507			1298508			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 22:58			03/30/2014 23:23			03/30/2014 23:48			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**	
C-012	Total Organic Carbon	5.0	0.30	50.0	56.3	103	75 - 125	58.8	108	4	25	

Analytical Batch	528719	Client ID	OU6-MW-152-190314			1295974MS			1295974MSD			
Prep Batch	N/A	GCAL ID	21403240103			1298731			1298732			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 11:54			03/30/2014 12:46			03/30/2014 13:08			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**	
C-012	Total Organic Carbon	0.87	0.30	50.0	54.8	108	75 - 125	56.0	110	2	25	

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7	1295854DUP			
Prep Batch	N/A	**GCAL ID**	21403221704	1297635			
		Sample Type	SAMPLE	DUP			
		Analytical Date	03/27/2014 14:10	03/27/2014 14:10			
		Matrix	Water	Water			
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528349	**Client ID**	MB528349			LCS528349		
Prep Batch	N/A	**GCAL ID**	1296517			1296518		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/25/2014 14:47			03/25/2014 14:29		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.76	110	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.38	95	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.52	101	80 - 120	

Analytical Batch	528349	**Client ID**	SMFMW-9			1296478MS			1296478MSD			
Prep Batch	N/A	**GCAL ID**	21403251001			1296519			1296520			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/25/2014 15:22			03/25/2014 15:40			03/25/2014 15:58			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	0.796	0.050	2.50	3.12	93	80 - 120	3.10	92	1	15

Analytical Batch	528349	**Client ID**	SMFMW-9			1296478MS			1296478MSD			
Prep Batch	N/A	**GCAL ID**	21403251001			1296519			1296520			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/26/2014 06:03			03/26/2014 06:21			03/26/2014 06:38			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	13.6	0.500	25.0	38.0	98	80 - 120	38.2	99	0	15
14808-79-8	Sulfate	52.0	0.500	25.0	77.6	103	80 - 120	77.8	103	0	15

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032510
Due Date: 04/03/14

Report to:
Client: AMEC E+I
Address: 396 Plasters Ave
Atlanta, GA 30324
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 3.0 @ 24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (2)	Methane, Ethane, Ethene (2)	Chloride, Sulfate (1)	*NITRATE* (1)	Sulfate (1)	Preservative
W	3/24	1015		X	SMFMW-9		X	X	X	X	X	X	1
↓	↓	1200			SMFMW-10		↓	↓	↓	↓	↓	↓	2
↓	↓	1053			DPMW-25		↓	↓	↓	↓	↓	↓	3
↓	↓	1313			DPMW-28		↓	↓	↓	↓	↓	↓	4

Air Bill No: ~~7F~~ 7983 - 1741 - ~~6416~~ 7382

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/24/14	1521	AMEC	3/24/14	14:18
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/24/14		FedEx	3/24/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/25/14	1030		3/25/14	1030

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue
*Requires prior approval, rush charges may apply.
We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032510

SAMPLE DELIVERY GROUP 214032510	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Brown, Aaron D.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/25/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7983 1741 7384		3.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/21/2014

GCAL Report 214031107

Deliver To	AMEC Env & Infra Inc 1075 Big Shanty Road NW Suite 100 Kennesaw, GA 30144 (770) 421-3419
Attn	Jerry Gaccetta

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031107

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403110705 (RPMW-14), 21403110706 (RPMW-24), 21403110710 (GPMW-19) and 21403110708 (GPMW-18) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

In the EPA 8260B analysis for analytical batch 527338, the LCS and/or LCSD recoveries are above the upper control limit for Bromomethane. This compound was not detected in the associated samples.

In the EPA 8260B analysis for analytical batch 527415, the LCS/LCSD RPD is above the control limit for 1 and1-Dichloroethane.

VOLATILES GAS CHROMATOGRAPHY

In the RSK-175 analysis, samples 21403110701 (MTWMW-7), 21403110702 (MTWMW-7I) and 21403110710 (GPMW-19) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument.

CONVENTIONALS

The assigned MS/MSD for HBN 527321 exhibited a TC value above the working range of the calibration. The TOC value for the assigned MS/MSD was within the working range of the calibration. The MS/MSD could not be reanalyzed due to insufficient sample volume.

In the EPA 9056A analysis, samples 21403110706 (RPMW-24), 21403110701 (MTWMW-7), 21403110702 (MTWMW-7I), 21403110703 (MTWMW-10), 21403110704 (RPMW-2), 21403110705 (RPMW-14), 21403110707 (GPMW-20), 21403110708 (GPMW-18), 21403110709 (GPMW-11) and 21403110710 (GPMW-19) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

Sample 21403110711 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager after receipt

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

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This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031107

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	MTWMW-7	Water	03/10/2014 10:30	03/11/2014 09:45
21403110702	MTWMW-7I	Water	03/10/2014 12:03	03/11/2014 09:45
21403110703	MTWMW-10	Water	03/10/2014 14:00	03/11/2014 09:45
21403110704	RPMW-2	Water	03/10/2014 10:25	03/11/2014 09:45
21403110705	RPMW-14	Water	03/10/2014 13:00	03/11/2014 09:45
21403110706	RPMW-24	Water	03/10/2014 15:20	03/11/2014 09:45
21403110707	GPMW-20	Water	03/10/2014 09:57	03/11/2014 09:45
21403110708	GPMW-18	Water	03/10/2014 11:33	03/11/2014 09:45
21403110709	GPMW-11	Water	03/10/2014 12:57	03/11/2014 09:45
21403110710	GPMW-19	Water	03/10/2014 14:18	03/11/2014 09:45
21403110711	TRIP BLANK	Water	03/10/2014 00:00	03/11/2014 09:45

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	6.32	1.00	0.087	ug/L
74-85-1	Ethene	1.34	1.00	0.071	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	1.71J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	5.15	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	33.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	34.1	5.00	0.161	ug/L
75-01-4	Vinyl chloride	23.2	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	49.4	5.00	0.103	ug/L
156-60-5	trans-1,2-Dichloroethene	1.05J	5.00	0.077	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	3800	200	43.5	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	9.20	1.00	0.250	mg/L
14808-79-8	Sulfate	14.6	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.142J	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.99	1.00	0.087	ug/L
74-85-1	Ethene	0.981J	1.00	0.071	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.933J	5.00	0.123	ug/L
75-34-3	1,1-Dichloroethane	1.86J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	8.58	5.00	0.208	ug/L
67-66-3	Chloroform	0.394J	5.00	0.155	ug/L
108-87-2	Methylcyclohexane	0.676J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	82.9	5.00	0.193	ug/L
79-01-6	Trichloroethene	64.1	5.00	0.161	ug/L
75-01-4	Vinyl chloride	16.7	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	43.0	5.00	0.103	ug/L
156-60-5	trans-1,2-Dichloroethene	0.799J	5.00	0.077	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.2	1.00	0.250	mg/L
14808-79-8	Sulfate	32.1	1.00	0.250	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	2360	200	43.5	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.06	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.544J	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.854J	5.00	0.155	ug/L
110-82-7	Cyclohexane	0.971J	5.00	0.337	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.727J	5.00	0.130	ug/L
108-87-2	Methylcyclohexane	1.36J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	61.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	12.6	5.00	0.161	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
1330-20-7	Xylene (total)	6.30J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	1.57J	5.00	0.103	ug/L
95-47-6	o-Xylene	6.30	5.00	0.055	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	13.1	2.00	0.500	mg/L
14808-79-8	Sulfate	41.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.139J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.68J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.769J	5.00	0.161	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.23	1.00	0.250	mg/L
14808-79-8	Sulfate	10.6	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.895	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	24.8	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.359J	10.0	0.222	ug/L
127-18-4	Tetrachloroethene	190	10.0	0.385	ug/L
79-01-6	Trichloroethene	72.6	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	0.556J	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.5	2.00	0.500	mg/L
14808-79-8	Sulfate	17.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	25.6	2.00	0.500	mg/L
14797-55-8	Nitrate	6.24	2.00	0.500	mg/L
14808-79-8	Sulfate	46.5	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	1.65J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	516	25.0	0.963	ug/L
79-01-6	Trichloroethene	208	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	23.5J	25.0	0.517	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.52	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.451J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	30.0	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.05J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	6.22	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	26.1	2.00	0.500	mg/L
14808-79-8	Sulfate	18.4	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.18	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.734J	10.0	0.416	ug/L
67-66-3	Chloroform	2.31J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	261	10.0	0.385	ug/L
79-01-6	Trichloroethene	51.7	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	106	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	1.63J	10.0	0.154	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.20	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.6	2.00	0.500	mg/L
14808-79-8	Sulfate	11.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.00	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.2	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.926J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.180J	5.00	0.083	ug/L
67-66-3	Chloroform	4.18J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	18.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.389J	5.00	0.103	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.60	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.1	2.00	0.500	mg/L
14808-79-8	Sulfate	27.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.39	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.62J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	306	25.0	0.963	ug/L
79-01-6	Trichloroethene	131	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	164	25.0	0.517	ug/L
156-60-5	trans-1,2-Dichloroethene	1.96J	25.0	0.385	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**205**	**20.0**	**4.35**	**ug/L**

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**7.44**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**1.71J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**5.15**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**33.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**34.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**23.2**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**49.4**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.05J**	**5.00**	**0.077**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:07	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**6.32**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**1.34**	**1.00**	**0.071**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.4	ug/L	68	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	03/18/2014 15:13	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**3800**	**200**	**43.5**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:25	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110701	**MTWMW-7**	Water	03/10/2014 10:30	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 14:54	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 20:29	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**9.20**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**14.6**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:42	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**0.933J**	**5.00**	**0.123**	**ug/L**
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**1.86J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**8.58**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.394J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**0.676J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**82.9**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**64.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**16.7**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**43.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:42	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.799J**	**5.00**	**0.077**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.9	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:21	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.99**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**0.981J**	**1.00**	**0.071**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.3	ug/L	62	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	03/18/2014 15:31	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**2360**	**200**	**43.5**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:57	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110702	**MTWMW-7I**	Water	03/10/2014 12:03	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 15:29	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.142J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 20:46	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.2**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**32.1**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:02	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.854J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	**Cyclohexane**	**0.971J**	**5.00**	**0.337**	**ug/L**
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	**Isopropylbenzene (Cumene)**	**0.727J**	**5.00**	**0.130**	**ug/L**
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**1.36J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**61.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**12.6**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**6.30J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.57J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	**o-Xylene**	**6.30**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:02	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.2	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	49.2	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:40	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.544J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.6	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:25	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110703	**MTWMW-10**	Water	03/10/2014 14:00	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 15:47	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.06**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 21:39	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**13.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**41.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.68J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.769J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:22	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.6	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	47.5	ug/L	95	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.8	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:47	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.3	ug/L	62	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:51	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110704	**RPMW-2**	Water	03/10/2014 10:25	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:05	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.139J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:57	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.23**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**10.6**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/11/2014 19:39	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	**Benzene**	**0.359J**	**10.0**	**0.222**	**ug/L**
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**190**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**72.6**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.556J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/11/2014 19:39	LBH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	93.1	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	100	96.9	ug/L	97	77 - 127
2037-26-5	Toluene d8	100	100	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 15:53	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**24.8**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.6	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 19:18	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110705	**RPMW-14**	Water	03/10/2014 13:00	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:22	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.895**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:14	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.5**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**17.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:23	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**1.65J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**516**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**208**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**23.5J**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 21:23	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	246	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	250	242	ug/L	97	77 - 127
2037-26-5	Toluene d8	250	251	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	254	ug/L	102	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:00	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.8	ug/L	76	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 19:46	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:32	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**25.6**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**6.24**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110706	**RPMW-24**	Water	03/10/2014 15:20	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:32	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 22:19	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.451J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**30.0**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.05J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**6.22**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 22:19	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	52.7	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:06	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	34.9	ug/L	86	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 20:21	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110707	**GPMW-20**	Water	03/10/2014 09:57	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 16:57	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.52**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 22:50	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**26.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**18.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/12/2014 22:45	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	**1,1-Dichloroethene**	**0.734J**	**10.0**	**0.416**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.31J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**261**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**51.7**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**106**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/12/2014 22:45	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.63J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	97	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	100	102	ug/L	102	77 - 127
2037-26-5	Toluene d8	100	107	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	98.4	ug/L	98	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:14	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.8	ug/L	79	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 20:47	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.20**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110708	**GPMW-18**	Water	03/10/2014 11:33	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 17:15	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.18**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:07	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.6**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**11.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 21:43	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.926J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.180J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**4.18J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**18.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.389J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 21:43	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	48.6	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:20	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.5	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 22:39	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.2**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.60**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110709	**GPMW-11**	Water	03/10/2014 12:57	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:08	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.00**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:25	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**27.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 22:05	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**3.62J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**306**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**131**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**164**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/11/2014 22:05	CLH	527338

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**1.96J**	**25.0**	**0.385**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	244	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	250	244	ug/L	98	77 - 127
2037-26-5	Toluene d8	250	250	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	247	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/18/2014 16:26	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.3	ug/L	77	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/18/2014 16:32	JAR	527821

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**205**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 23:08	JEM	527321

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 12:34	DMT	527403

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110710	**GPMW-19**	Water	03/10/2014 14:18	03/11/2014 09:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/11/2014 18:25	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.39**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/11/2014 23:43	AEL	527309

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**7.44**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110711	**TRIP BLANK**	Water	03/10/2014 00:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:55	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403110711	**TRIP BLANK**	Water	03/10/2014 00:00	03/11/2014 09:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:55	JCK	527415

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.1	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	51.4	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	53.4	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527338	**Client ID**	MB527338	LCS527338	LCSD527338
Prep Batch N/A	**GCAL ID**	1291306	1291307	1291308
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/11/2014 17:02	03/11/2014 15:40	03/11/2014 16:00
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	49.1	98	44 - 156	48.5	97	1	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	48.8	98	74 - 125	47.2	94	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.3	101	64 - 122	50.8	102	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	71.6	**143***	47 - 138	68.1	136	5	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	51.2	102	69 - 136	48.8	98	5	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.0	102	76 - 128	49.7	99	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	47.9	96	62 - 141	45.0	90	6	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	98.7	99	74 - 126	94.9	95	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.6	95	75 - 122	45.9	92	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	53.2	106	59 - 132	48.7	97	9	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.6	101	71 - 123	49.9	100	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	53.1	106	58 - 140	50.7	101	5	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	48.5	97	74 - 127	46.4	93	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	48.3	97	71 - 129	48.0	96	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	48.8	98	73 - 130	46.4	93	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	49.1	98	69 - 132	47.5	95	3	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	45.9	92	68 - 132	44.7	89	3	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.5	99	72 - 128	47.4	95	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.6	101	71 - 132	48.5	97	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	52.3	105	71 - 131	49.8	100	5	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	49.1	98	74 - 126	47.6	95	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	52.2	104	50 - 135	53.3	107	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	49.8	100	71 - 125	47.7	95	4	30
78-93-3	2-Butanone	0.142U	0.142	50.0	51.0	102	58 - 137	48.4	97	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	53.4	107	57 - 132	51.9	104	3	30
100-42-5	Styrene	0.089U	0.089	50.0	50.6	101	71 - 127	49.7	99	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	49.5	99	68 - 128	48.1	96	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.4	97	70 - 122	47.8	96	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	47.9	96	61 - 135	45.1	90	6	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.1	102	76 - 126	47.5	95	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.4	97	72 - 121	47.7	95	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	51.6	103	72 - 136	48.4	97	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	51.3	103	68 - 132	47.7	95	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527338	**Client ID**	MB527338			LCS527338				LCSD527338		
Prep Batch	N/A	**GCAL ID**	1291306			1291307				1291308		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/11/2014 17:02			03/11/2014 15:40				03/11/2014 16:00		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	49.4	99	73 -	130	47.8	96	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	54.0	108	57 -	121	52.0	104	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.7	99	70 -	124	49.3	99	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	59.2	118	54 -	147	55.0	110	7	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	49.3	99	71 -	125	48.8	98	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	148	99	74 -	127	143	95	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.3	103	67 -	138	48.2	96	6	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.9	106	69 -	132	50.6	101	4	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	53.9	108	57 -	139	50.3	101	7	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.5	105	72 -	136	50.6	101	4	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	56.9	114	56 -	124	58.9	118	3	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	47.4	95	74 -	126	46.7	93	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	47.2	94	72 -	122	45.2	90	4	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	48.1	96	71 -	126	46.4	93	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.1	102	69 -	129	47.2	94	8	20
71-43-2	Benzene	0.111U	0.111	50.0	49.7	99	70 -	129	47.1	94	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	48.6	97	76 -	129	45.6	91	6	20
108-88-3	Toluene	0.122U	0.122	50.0	48.8	98	72 -	120	46.9	94	4	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	47.9	96	74 -	123	47.1	94	2	20
Surrogate												
460-00-4	4-Bromofluorobenzene	48.8	98	50	49.3	99	78 -	130	50.3	101		
1868-53-7	Dibromofluoromethane	47.7	95	50	50.3	101	77 -	127	50	100		
2037-26-5	Toluene d8	50.2	100	50	49.9	100	76 -	134	50.5	101		
17060-07-0	1,2-Dichloroethane-d4	49.9	100	50	50.7	101	71 -	127	50.4	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527415	**Client ID**	MB527415	LCS527415	LCSD527415
Prep Batch N/A	**GCAL ID**	1291662	1291663	1291664
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/12/2014 19:57	03/12/2014 18:22	03/12/2014 18:46
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	50.1	100	44 - 156	51.2	102	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.2	102	74 - 125	50.2	100	2	30
75-25-2	Bromoform	0.215U	0.215	50.0	49.7	99	64 - 122	52.1	104	5	30
74-83-9	Bromomethane	0.427U	0.427	50.0	50.3	101	47 - 138	48.7	97	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	44.9	90	69 - 136	43.0	86	4	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	50.6	101	76 - 128	48.7	97	4	30
75-00-3	Chloroethane	0.235U	0.235	50.0	44.1	88	62 - 141	43.6	87	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	102	102	74 - 126	99.2	99	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	48.8	98	75 - 122	47.9	96	2	30
74-87-3	Chloromethane	0.144U	0.144	50.0	58.2	116	59 - 132	54.7	109	6	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	49.7	99	71 - 123	50.0	100	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.3	105	58 - 140	48.6	97	7	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	62.5	125	74 - 127	45.0	90	33*	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	48.4	97	71 - 129	48.2	96	0	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	52.9	106	73 - 130	51.3	103	3	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	49.3	99	69 - 132	44.0	88	11	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	45.7	91	68 - 132	45.1	90	1	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	52.9	106	72 - 128	51.6	103	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.0	98	71 - 132	48.7	97	1	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	47.6	95	71 - 131	48.6	97	2	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	52.7	105	74 - 126	50.9	102	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	46.9	94	50 - 135	51.6	103	10	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	52.6	105	71 - 125	50.7	101	4	30
78-93-3	2-Butanone	0.142U	0.142	50.0	47.7	95	58 - 137	53.2	106	11	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	49.0	98	57 - 132	53.9	108	10	30
100-42-5	Styrene	0.089U	0.089	50.0	53.0	106	71 - 127	51.9	104	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	55.1	110	68 - 128	53.4	107	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	55.5	111	70 - 122	56.5	113	2	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	52.2	104	61 - 135	50.9	102	3	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.1	102	76 - 126	48.7	97	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.5	97	72 - 121	49.8	100	3	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	45.5	91	72 - 136	42.8	86	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	60.1	120	68 - 132	50.1	100	18	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527415	**Client ID**	MB527415	LCS527415	LCSD527415
Prep Batch N/A	**GCAL ID**	1291662	1291663	1291664
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/12/2014 19:57	03/12/2014 18:22	03/12/2014 18:46
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	51.4	103	73 - 130	50.3	101	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	47.2	94	57 - 121	50.7	101	7	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.6	101	70 - 124	53.1	106	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	41.6	83	54 - 147	41.6	83	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	46.9	94	71 - 125	46.4	93	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	153	102	74 - 127	150	100	2	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	58.9	118	67 - 138	53.0	106	11	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	57.5	115	69 - 132	53.8	108	7	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	46.7	93	57 - 139	42.9	86	8	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	45.7	91	72 - 136	42.5	85	7	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	38.6	77	56 - 124	47.5	95	21	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.7	105	74 - 126	50.2	100	5	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.2	102	72 - 122	48.6	97	5	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	53.0	106	71 - 126	50.8	102	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	44.2	88	69 - 129	42.5	85	4	20
71-43-2	Benzene	0.111U	0.111	50.0	53.1	106	70 - 129	51.5	103	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.5	99	76 - 129	46.9	94	5	20
108-88-3	Toluene	0.122U	0.122	50.0	50.6	101	72 - 120	49.9	100	1	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.0	98	74 - 123	48.1	96	2	20
Surrogate											
460-00-4	4-Bromofluorobenzene	48.1	96	50	53.9	108	78 - 130	54.5	109		
1868-53-7	Dibromofluoromethane	50.8	102	50	49.6	99	77 - 127	49.2	98		
2037-26-5	Toluene d8	52.5	105	50	47.9	96	76 - 134	48.1	96		
17060-07-0	1,2-Dichloroethane-d4	51.3	103	50	48.8	98	71 - 127	51.1	102		

General Chromatography Quality Control Summary

Analytical Batch	527821	**Client ID**	MB527821	LCS527821	LCSD527821
Prep Batch	N/A	**GCAL ID**	1293734	1293735	1293856
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	03/18/2014 14:43	03/18/2014 14:49	03/18/2014 14:55
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.3	93	39 - 120	16.9	97	4	27
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134	3.26	107	5	25
74-84-0	Ethane	0.087U	0.087	3.28	3.19	97	45 - 128	3.39	103	6	29
Surrogate											
115-07-1	Propene	27.4	68	40.5	26.8	66	40 - 143	28.2	70		

General Chemistry Quality Control Summary

Analytical Batch	527321	**Client ID**	MB527321			LCS527321		
Prep Batch	N/A	**GCAL ID**	1291204			1291205		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/11/2014 15:58			03/11/2014 14:53		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	47.5	95	80 - 120	

Analytical Batch	527321	**Client ID**	MTWMW-7			1291080MS			1291080MSD			
Prep Batch	N/A	**GCAL ID**	21403110701			1291206			1291207			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/11/2014 16:25			03/11/2014 17:00			03/11/2014 17:28			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.30	50.0	53.6	107	75 - 125	47.5	95	12	25	

General Chemistry Quality Control Summary

Analytical Batch	527403	Client ID	MB527403		LCS527403		
Prep Batch	N/A	GCAL ID	1291539		1291540		
		Sample Type	Method Blank		LCS		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	26.5	106	80 - 120

Analytical Batch	527403	Client ID	GPMW-20		1291086MS		
Prep Batch	N/A	GCAL ID	21403110707		1291541		
		Sample Type	SAMPLE		MS		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	25.1	100	75 - 125

Analytical Batch	527403	Client ID	RPMW-2		1291083DUP		
Prep Batch	N/A	GCAL ID	21403110704		1291542		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/12/2014 12:34		03/12/2014 12:34		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch 527309	**Client ID**	MB527309			LCS527309		
Prep Batch N/A	**GCAL ID**	1291131			1291132		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/11/2014 14:19			03/11/2014 14:01		
	Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
16887-00-6	Chloride	0.050U	0.050	2.50	2.27	91	80 - 120
14797-55-8	Nitrate	0.050U	0.050	2.50	2.34	94	80 - 120
14808-79-8	Sulfate	0.050U	0.050	2.50	2.45	98	80 - 120

Analytical Batch 527309	**Client ID**	VA-75			1291124MS			1291124MSD			
Prep Batch N/A	**GCAL ID**	21403111501			1291133			1291134			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/11/2014 12:33			03/11/2014 12:51			03/11/2014 13:08			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14808-79-8	Sulfate	31.3	0.250	12.5	44.5	106	80 - 120	44.9	109	1	15

Analytical Batch 527309	**Client ID**	GPMW-19			1291089MS			1291089MSD			
Prep Batch N/A	**GCAL ID**	21403110710			1291135			1291136			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/11/2014 23:43			03/12/2014 00:00			03/12/2014 00:18			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.8	0.500	25.0	46.0	97	80 - 120	45.9	96	0	15
14808-79-8	Sulfate	7.44	0.500	25.0	33.2	103	80 - 120	33.4	104	1	15

General Chemistry Quality Control Summary

Analytical Batch 527309		**Client ID**	GPMW-19			1291089MS			1291089MSD		
Prep Batch N/A		**GCAL ID**	21403110710			1291135			1291136		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/11/2014 18:25			03/11/2014 18:43			03/11/2014 19:01		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.39	0.050	2.50	3.76	95	80 - 120	3.79	96	1	15

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031107
Due Date: 03/20/14

Report to:
Client: AMEC E&I, Inc.
Address: 396 Plasters Ave NE Atlanta, GA
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris, Tela ~~Donegan~~ Moricski, Mark Andrews

Analytical Requests & Method: VOCs 8260B; TOC; Methane/Ethane/Ethene; Chloride/Sulfate; *NITRATE*; Sulfide

GCAL use only:
Custody Seal used ☑ yes ☐ no; intact ☑ yes ☐ no
Temperature °C 3.4 EZZ
2490165, 1
☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	3	2	2	1	1	1	Preservative	
W	3/10	1030		X	MTWMW-7	9							DM	1
		1203			MTWMW-7I								DM	2
		1400			MTWMW-10								DM	3
					~~RPMW-1~~									
		1025			RPMW-2		3	2	2	1	1	1	TN	4
		1300			RPMW-14								TN	5
		1520			RPMW-24								TN	6
		0957			GPMW-20								MA	7
		1133			GPMW-18								MA	8
		1257			GPMW-11								MA	9
		1418			GPMW-19								MA	10
					[signature] 3/10/14									
W	3/10	—			Trip Blank	3	X							11

Air Bill No: 7981 6736 4060

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	3/10/14	1530	[signature] AMEC	3/10/14	15:30
[signature]	3/11/14	945	[signature]	3/11/14	945
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031107

SAMPLE DELIVERY GROUP 214031107

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/11/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
7981 6736 4066		3.4

DISCREPANCIES

21403110711 - TRIP BLANK:
Extra Sample - Not Listed on COC

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/31/2014

GCAL Report 214031211

Deliver To	AMEC Env & Infra Inc 1075 Big Shanty Road NW Suite 100 Kennesaw, GA 30144 (770) 421-3419
Attn	Jerry Gaccetta

Project Woodall Creek Baseline Samplin

Revision 1

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031211

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403121103 (JPMW-22), 21403121104 (MTWMW-9), 21403121105 (DUP-1), 21403121106 (MTWMW-08), 21403121110 (MTWMW-4), 21403121111 (HOAMW-3), and 21403121112 (RPMW-15) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

In the EPA 8260B analysis for analytical batch 527674, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries are acceptable. The LCS/LCSD RPD is above the control limit for Bromomethane.

VOLATILES GAS CHROMATOGRAPHY

In the RSK-175 analysis, sample 21403121109 (MTWMW-12) had to be diluted to bracket the concentration of a target analyte within the calibration range of the instrument.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration of target analytes within the calibration range of the instrument.

MISCELLANEOUS

Sample 21403121113 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031211

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	JPMW-17	Water	03/11/2014 10:40	03/12/2014 10:45
21403121102	JPMW-21	Water	03/11/2014 12:10	03/12/2014 10:45
21403121103	JPMW-22	Water	03/11/2014 14:00	03/12/2014 10:45
21403121104	MTWMW-9	Water	03/11/2014 09:53	03/12/2014 10:45
21403121105	DUP-1	Water	03/11/2014 12:00	03/12/2014 10:45
21403121106	MTWMW-08	Water	03/11/2014 11:53	03/12/2014 10:45
21403121109	MTWMW-12	Water	03/11/2014 14:13	03/12/2014 10:45
21403121110	MTWMW-4	Water	03/11/2014 12:15	03/12/2014 10:45
21403121111	HOAMW-3	Water	03/11/2014 12:45	03/12/2014 10:45
21403121112	RPMW-15	Water	03/11/2014 15:20	03/12/2014 10:45
21403121113	TRIP BLANK	Water	03/11/2014 00:00	03/12/2014 10:45

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.37	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	1.51J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	67.4	5.00	0.193	ug/L
79-01-6	Trichloroethene	10.7	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.45	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.9	2.00	0.500	mg/L
14808-79-8	Sulfate	40.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.831	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.345J	5.00	0.208	ug/L
75-27-4	Bromodichloromethane	2.28J	5.00	0.083	ug/L
67-66-3	Chloroform	17.2	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	152	5.00	0.193	ug/L
79-01-6	Trichloroethene	33.0	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	39.0	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	17.1	2.00	0.500	mg/L
14808-79-8	Sulfate	11.3	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.82	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	1.57	1.00	0.087	ug/L
74-82-8	Methane	5.02	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.22J	10.0	0.416	ug/L
71-43-2	Benzene	4.98J	10.0	0.222	ug/L
67-66-3	Chloroform	2.07J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	142	10.0	0.385	ug/L
79-01-6	Trichloroethene	16.6	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	21.8	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.3	2.00	0.500	mg/L
14808-79-8	Sulfate	35.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.03	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.09J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	455	25.0	0.963	ug/L
79-01-6	Trichloroethene	241	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	49.0	25.0	0.517	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	MTWMW-9	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.7	2.00	0.500	mg/L
14808-79-8	Sulfate	32.2	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	DUP-1	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.99	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.14J	25.0	0.775	ug/L
127-18-4	Tetrachloroethene	445	25.0	0.963	ug/L
79-01-6	Trichloroethene	241	25.0	0.807	ug/L
156-59-2	cis-1,2-Dichloroethene	51.3	25.0	0.517	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.7	2.00	0.500	mg/L
14808-79-8	Sulfate	32.7	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	MTWMW-08	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.05	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.77J	50.0	1.55	ug/L
127-18-4	Tetrachloroethene	665	50.0	1.93	ug/L
79-01-6	Trichloroethene	310	50.0	1.61	ug/L
156-59-2	cis-1,2-Dichloroethene	48.4J	50.0	1.03	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.5	2.00	0.500	mg/L
14808-79-8	Sulfate	23.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.470	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.323J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	24.0	2.00	0.500	mg/L
14808-79-8	Sulfate	32.0	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	525	20.0	4.35	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.13	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.855J	10.0	0.167	ug/L
67-66-3	Chloroform	15.8	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	172	10.0	0.385	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	55.7	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	27.7	10.0	0.207	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	6.88	2.00	0.435	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.4	2.00	0.500	mg/L
14808-79-8	Sulfate	33.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.11	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.685J	10.0	0.167	ug/L
67-66-3	Chloroform	6.26J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	222	10.0	0.385	ug/L
79-01-6	Trichloroethene	91.9	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	55.4	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	0.597J	10.0	0.154	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.1	2.00	0.500	mg/L
14808-79-8	Sulfate	51.9	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.51	0.200	0.050	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	2.93	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	6.33J	10.0	0.387	ug/L
127-18-4	Tetrachloroethene	362	10.0	0.385	ug/L
79-01-6	Trichloroethene	158	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	3.13J	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.2	2.00	0.500	mg/L
14808-79-8	Sulfate	29.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.28J	5.00	0.193	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 14:39	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.51J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**67.4**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**10.7**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.45**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 14:39	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.7	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	51.6	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	51.4	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.5	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:20	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.4	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 17:37	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121101	**JPMW-17**	Water	03/11/2014 10:40	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 15:43	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.37**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/12/2014 23:57	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.9**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**40.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 15:01	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**0.345J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**2.28J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**17.2**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**152**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**33.0**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**39.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 15:01	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	51.3	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.5	ug/L	107	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:26	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.3	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:05	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121102	**JPMW-21**	Water	03/11/2014 12:10	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:01	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.831**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:14	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**17.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**11.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 15:26	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	**1,1-Dichloroethene**	**1.22J**	**10.0**	**0.416**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	**Benzene**	**4.98J**	**10.0**	**0.222**	**ug/L**
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.07J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**142**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**16.6**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**21.8**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 15:26	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	106	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	100	104	ug/L	104	77 - 127
2037-26-5	Toluene d8	100	106	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:32	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**1.57**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**5.02**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.6	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:33	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121103	**JPMW-22**	Water	03/11/2014 14:00	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:19	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.82**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:32	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.3**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**35.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 17:43	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**2.09J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**455**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**241**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**49.0**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 17:43	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	260	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	250	266	ug/L	106	77 - 127
2037-26-5	Toluene d8	250	257	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	262	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:41	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.4	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:05	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121104	**MTWMW-9**	Water	03/11/2014 09:53	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:36	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.03**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 00:49	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 18:54	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.615U	25.0	0.615	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.546U	25.0	0.546	ug/L
79-00-5	1,1,2-Trichloroethane	0.795U	25.0	0.795	ug/L
75-34-3	1,1-Dichloroethane	0.856U	25.0	0.856	ug/L
75-35-4	1,1-Dichloroethene	1.04U	25.0	1.04	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.526U	25.0	0.526	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.971U	25.0	0.971	ug/L
106-93-4	1,2-Dibromoethane	0.512U	25.0	0.512	ug/L
95-50-1	1,2-Dichlorobenzene	0.674U	25.0	0.674	ug/L
107-06-2	1,2-Dichloroethane	0.581U	25.0	0.581	ug/L
78-87-5	1,2-Dichloropropane	0.752U	25.0	0.752	ug/L
541-73-1	1,3-Dichlorobenzene	0.689U	25.0	0.689	ug/L
106-46-7	1,4-Dichlorobenzene	0.416U	25.0	0.416	ug/L
78-93-3	2-Butanone	0.711U	25.0	0.711	ug/L
110-75-8	2-Chloroethylvinyl ether	0.729U	25.0	0.729	ug/L
591-78-6	2-Hexanone	0.612U	25.0	0.612	ug/L
108-10-1	4-Methyl-2-pentanone	0.600U	25.0	0.600	ug/L
67-64-1	Acetone	0.967U	25.0	0.967	ug/L
71-43-2	Benzene	0.555U	25.0	0.555	ug/L
75-27-4	Bromodichloromethane	0.417U	25.0	0.417	ug/L
75-25-2	Bromoform	1.08U	25.0	1.08	ug/L
74-83-9	Bromomethane	2.14U	25.0	2.14	ug/L
75-15-0	Carbon disulfide	0.950U	25.0	0.950	ug/L
56-23-5	Carbon tetrachloride	1.24U	25.0	1.24	ug/L
108-90-7	Chlorobenzene	0.414U	25.0	0.414	ug/L
75-00-3	Chloroethane	1.18U	25.0	1.18	ug/L
67-66-3	**Chloroform**	**2.14J**	**25.0**	**0.775**	**ug/L**
74-87-3	Chloromethane	0.718U	25.0	0.718	ug/L
110-82-7	Cyclohexane	1.69U	25.0	1.69	ug/L
124-48-1	Dibromochloromethane	0.270U	25.0	0.270	ug/L
75-71-8	Dichlorodifluoromethane	0.724U	25.0	0.724	ug/L
100-41-4	Ethylbenzene	0.545U	25.0	0.545	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.651U	25.0	0.651	ug/L
79-20-9	Methyl Acetate	0.797U	25.0	0.797	ug/L
108-87-2	Methylcyclohexane	0.717U	25.0	0.717	ug/L
75-09-2	Methylene chloride	0.745U	25.0	0.745	ug/L
100-42-5	Styrene	0.447U	25.0	0.447	ug/L
127-18-4	**Tetrachloroethene**	**445**	**25.0**	**0.963**	**ug/L**
108-88-3	Toluene	0.609U	25.0	0.609	ug/L
79-01-6	**Trichloroethene**	**241**	**25.0**	**0.807**	**ug/L**
75-69-4	Trichlorofluoromethane	0.785U	25.0	0.785	ug/L
76-13-1	Trichlorotrifluoroethane	0.790U	25.0	0.790	ug/L
108-05-4	Vinyl acetate	0.755U	25.0	0.755	ug/L
75-01-4	Vinyl chloride	0.636U	25.0	0.636	ug/L
1330-20-7	Xylene (total)	0.894U	75.0	0.894	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**51.3**	**25.0**	**0.517**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.621U	25.0	0.621	ug/L
136777-61-2	m,p-Xylene	0.617U	50.0	0.617	ug/L
95-47-6	o-Xylene	0.277U	25.0	0.277	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.389U	25.0	0.389	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/14/2014 18:54	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.385U	25.0	0.385	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.639U	25.0	0.639	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	262	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	250	260	ug/L	104	77 - 127
2037-26-5	Toluene d8	250	264	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	265	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:57	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:31	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121105	**DUP-1**	Water	03/11/2014 12:00	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 16:54	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.99**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 01:07	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 12:46	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	1.23U	50.0	1.23	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.09U	50.0	1.09	ug/L
79-00-5	1,1,2-Trichloroethane	1.59U	50.0	1.59	ug/L
75-34-3	1,1-Dichloroethane	1.71U	50.0	1.71	ug/L
75-35-4	1,1-Dichloroethene	2.08U	50.0	2.08	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.05U	50.0	1.05	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	1.94U	50.0	1.94	ug/L
106-93-4	1,2-Dibromoethane	1.02U	50.0	1.02	ug/L
95-50-1	1,2-Dichlorobenzene	1.35U	50.0	1.35	ug/L
107-06-2	1,2-Dichloroethane	1.16U	50.0	1.16	ug/L
78-87-5	1,2-Dichloropropane	1.50U	50.0	1.50	ug/L
541-73-1	1,3-Dichlorobenzene	1.38U	50.0	1.38	ug/L
106-46-7	1,4-Dichlorobenzene	0.831U	50.0	0.831	ug/L
78-93-3	2-Butanone	1.42U	50.0	1.42	ug/L
110-75-8	2-Chloroethylvinyl ether	1.46U	50.0	1.46	ug/L
591-78-6	2-Hexanone	1.22U	50.0	1.22	ug/L
108-10-1	4-Methyl-2-pentanone	1.20U	50.0	1.20	ug/L
67-64-1	Acetone	1.93U	50.0	1.93	ug/L
71-43-2	Benzene	1.11U	50.0	1.11	ug/L
75-27-4	Bromodichloromethane	0.834U	50.0	0.834	ug/L
75-25-2	Bromoform	2.15U	50.0	2.15	ug/L
74-83-9	Bromomethane	4.27U	50.0	4.27	ug/L
75-15-0	Carbon disulfide	1.90U	50.0	1.90	ug/L
56-23-5	Carbon tetrachloride	2.48U	50.0	2.48	ug/L
108-90-7	Chlorobenzene	0.828U	50.0	0.828	ug/L
75-00-3	Chloroethane	2.35U	50.0	2.35	ug/L
67-66-3	**Chloroform**	**2.77J**	**50.0**	**1.55**	**ug/L**
74-87-3	Chloromethane	1.44U	50.0	1.44	ug/L
110-82-7	Cyclohexane	3.37U	50.0	3.37	ug/L
124-48-1	Dibromochloromethane	0.539U	50.0	0.539	ug/L
75-71-8	Dichlorodifluoromethane	1.45U	50.0	1.45	ug/L
100-41-4	Ethylbenzene	1.09U	50.0	1.09	ug/L
98-82-8	Isopropylbenzene (Cumene)	1.30U	50.0	1.30	ug/L
79-20-9	Methyl Acetate	1.59U	50.0	1.59	ug/L
108-87-2	Methylcyclohexane	1.43U	50.0	1.43	ug/L
75-09-2	Methylene chloride	1.49U	50.0	1.49	ug/L
100-42-5	Styrene	0.894U	50.0	0.894	ug/L
127-18-4	**Tetrachloroethene**	**665**	**50.0**	**1.93**	**ug/L**
108-88-3	Toluene	1.22U	50.0	1.22	ug/L
79-01-6	**Trichloroethene**	**310**	**50.0**	**1.61**	**ug/L**
75-69-4	Trichlorofluoromethane	1.57U	50.0	1.57	ug/L
76-13-1	Trichlorotrifluoroethane	1.58U	50.0	1.58	ug/L
108-05-4	Vinyl acetate	1.51U	50.0	1.51	ug/L
75-01-4	Vinyl chloride	1.27U	50.0	1.27	ug/L
1330-20-7	Xylene (total)	1.79U	150	1.79	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**48.4J**	**50.0**	**1.03**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	1.24U	50.0	1.24	ug/L
136777-61-2	m,p-Xylene	1.23U	100	1.23	ug/L
95-47-6	o-Xylene	0.554U	50.0	0.554	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.777U	50.0	0.777	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 12:46	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.769U	50.0	0.769	ug/L
10061-02-6	trans-1,3-Dichloropropene	1.28U	50.0	1.28	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	524	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	500	507	ug/L	101	77 - 127
2037-26-5	Toluene d8	500	534	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	472	ug/L	94	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:04	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.6	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:57	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121106	**MTWMW-08**	Water	03/11/2014 11:53	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 17:11	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.05**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 02:00	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.5**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**23.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:28	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**0.323J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:28	LBH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.7	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	51.7	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:30	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.5	ug/L	58	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/19/2014 16:35	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**525**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:18	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121109	**MTWMW-12**	Water	03/11/2014 14:13	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:04	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.470**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 02:53	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**24.0**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**32.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 19:17	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	**Bromodichloromethane**	**0.855J**	**10.0**	**0.167**	**ug/L**
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**15.8**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**172**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**55.7**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**27.7**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 19:17	CLH	527555

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	104	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	100	107	ug/L	107	77 - 127
2037-26-5	Toluene d8	100	104	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	103	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:47	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**6.88**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.1	ug/L	62	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 21:45	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121110	**MTWMW-4**	Water	03/11/2014 12:15	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 18:57	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.13**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:10	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.4**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**33.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 15:57	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	**Bromodichloromethane**	**0.685J**	**10.0**	**0.167**	**ug/L**
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**6.26J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**222**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**91.9**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**55.4**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 15:57	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.597J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	93.6	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	100	101	ug/L	101	77 - 127
2037-26-5	Toluene d8	100	99.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	105	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:59	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.7	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 23:41	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121111	**HOAMW-3**	Water	03/11/2014 12:45	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:15	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.11**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:28	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**51.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 16:20	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**6.33J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**362**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**158**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.13J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

Revision 1

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/16/2014 16:20	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	92.5	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	100	102	ug/L	102	77 - 127
2037-26-5	Toluene d8	100	98.9	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	103	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 17:04	JAR	527898

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**2.93**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24	ug/L	59	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 00:12	JEM	527419

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121112	**RPMW-15**	Water	03/11/2014 15:20	03/12/2014 10:45

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/12/2014 19:32	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.51**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/13/2014 03:46	AEL	527407

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.2**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**29.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 15:34	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.28J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403121113	**TRIP BLANK**	Water	03/11/2014 00:00	03/12/2014 10:45

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 15:34	CEK	527674

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	51	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	49.2	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527555	**Client ID**	MB527555	LCS527555	LCSD527555
Prep Batch N/A	**GCAL ID**	1292393	1292394	1292395
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/14/2014 10:52	03/14/2014 09:19	03/14/2014 09:44
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	41.8	84	44 - 156	40.8	82	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.9	106	74 - 125	51.2	102	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.7	101	64 - 122	48.6	97	4	30
74-83-9	Bromomethane	0.427U	0.427	50.0	46.1	92	47 - 138	43.1	86	7	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.3	101	69 - 136	51.3	103	2	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	58.0	116	76 - 128	56.5	113	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	57.9	116	62 - 141	55.9	112	4	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	107	107	74 - 126	103	103	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	52.5	105	75 - 122	50.4	101	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	46.9	94	59 - 132	45.4	91	3	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	52.7	105	71 - 123	50.3	101	5	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.9	106	58 - 140	51.2	102	3	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	52.3	105	74 - 127	49.8	100	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	54.1	108	71 - 129	51.7	103	5	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	51.9	104	73 - 130	49.4	99	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	51.5	103	69 - 132	50.5	101	2	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.2	96	68 - 132	45.8	92	5	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	50.1	100	72 - 128	47.9	96	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	54.5	109	71 - 132	52.3	105	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	55.7	111	71 - 131	52.5	105	6	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	53.1	106	74 - 126	50.7	101	5	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	47.3	95	50 - 135	43.0	86	10	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	53.7	107	71 - 125	52.8	106	2	30
78-93-3	2-Butanone	0.142U	0.142	50.0	47.5	95	58 - 137	43.1	86	10	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.2	96	57 - 132	44.1	88	9	30
100-42-5	Styrene	0.089U	0.089	50.0	54.2	108	71 - 127	52.0	104	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	51.1	102	68 - 128	49.1	98	4	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	47.7	95	70 - 122	45.2	90	5	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	51.7	103	61 - 135	52.1	104	1	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	55.3	111	76 - 126	52.8	106	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.7	99	72 - 121	47.1	94	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.4	101	72 - 136	47.8	96	5	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	49.3	99	68 - 132	48.7	97	1	30

Revision 1

GC/MS Volatiles Quality Control Summary

Analytical Batch	527555	**Client ID**	MB527555			LCS527555				LCSD527555		
Prep Batch	N/A	**GCAL ID**	1292393			1292394				1292395		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/14/2014 10:52			03/14/2014 09:19				03/14/2014 09:44		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**				**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits**		**% R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	54.3	109	73	-	130	52.5	105	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	46.1	92	57	-	121	42.5	85	8	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	52.1	104	70	-	124	48.7	97	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	46.6	93	54	-	147	43.8	88	6	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	49.8	100	71	-	125	47.5	95	5	30
1330-20-7	Xylene (total)	0.179U	0.179	150	161	107	74	-	127	156	104	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	47.3	95	67	-	138	47.8	96	1	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	46.9	94	69	-	132	46.6	93	1	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	50.4	101	57	-	139	44.7	89	12	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	55.5	111	72	-	136	53.8	108	3	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	52.5	105	56	-	124	46.9	94	11	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.3	103	74	-	126	50.6	101	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.5	101	72	-	122	50.1	100	1	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.4	105	71	-	126	51.0	102	3	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.5	103	69	-	129	49.3	99	4	20
71-43-2	Benzene	0.111U	0.111	50.0	52.7	105	70	-	129	50.3	101	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	52.0	104	76	-	129	50.3	101	3	20
108-88-3	Toluene	0.122U	0.122	50.0	50.2	100	72	-	120	48.0	96	4	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	51.5	103	74	-	123	49.5	99	4	20
Surrogate													
460-00-4	4-Bromofluorobenzene	51.6	103	50	51.6	103	78	-	130	51.7	103		
1868-53-7	Dibromofluoromethane	52.1	104	50	53.1	106	77	-	127	52.3	105		
2037-26-5	Toluene d8	51.9	104	50	48.1	96	76	-	134	48	96		
17060-07-0	1,2-Dichloroethane-d4	52.8	106	50	52.3	105	71	-	127	52.4	105		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527555	**Client ID**	MTWMW-08	MS-1	MSD-1	
Prep Batch N/A	**GCAL ID**	21403121106	21403121107	21403121108	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/14/2014 12:46	03/14/2014 15:48	03/14/2014 16:11	
	Matrix	Water	Water	Water	

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.00	1.93	500	313	63	44 - 156	327	65	4	30
75-27-4	Bromodichloromethane	0.00	0.834	500	560	112	74 - 125	525	105	6	30
76-13-1	Trichlorotrifluoroethane	0.00	1.58	500	589	118	72 - 136	548	110	7	30
75-25-2	Bromoform	0.00	2.15	500	526	105	64 - 122	508	102	3	30
74-83-9	Bromomethane	0.00	4.27	500	444	89	47 - 138	458	92	3	30
75-15-0	Carbon disulfide	0.00	1.90	500	534	107	69 - 136	500	100	7	30
56-23-5	Carbon tetrachloride	0.00	2.48	500	619	124	76 - 128	570	114	8	30
75-00-3	Chloroethane	0.00	2.35	500	667	133	62 - 141	583	117	13	30
136777-61-2	m,p-Xylene	0.00	1.23	1000	1100	110	74 - 126	1050	105	5	30
67-66-3	Chloroform	2.77	1.55	500	544	108	75 - 122	515	102	5	30
74-87-3	Chloromethane	0.00	1.44	500	512	102	59 - 132	484	97	6	30
124-48-1	Dibromochloromethane	0.00	0.539	500	547	109	71 - 123	530	106	3	30
75-71-8	Dichlorodifluoromethane	0.00	1.45	500	542	108	58 - 140	529	106	2	30
75-34-3	1,1-Dichloroethane	0.00	1.71	500	533	107	74 - 127	504	101	6	30
107-06-2	1,2-Dichloroethane	0.00	1.16	500	557	111	71 - 129	537	107	4	30
75-09-2	Methylene chloride	0.00	1.49	500	500	100	68 - 132	468	94	7	30
78-87-5	1,2-Dichloropropane	0.00	1.50	500	518	104	72 - 128	489	98	6	30
10061-01-5	cis-1,3-Dichloropropene	0.00	1.24	500	555	111	71 - 132	529	106	5	30
10061-02-6	trans-1,3-Dichloropropene	0.00	1.28	500	580	116	71 - 131	557	111	4	30
100-41-4	Ethylbenzene	0.00	1.09	500	542	108	74 - 126	510	102	6	30
591-78-6	2-Hexanone	0.00	1.22	500	411	82	50 - 135	408	82	1	30
98-82-8	Isopropylbenzene (Cumene)	0.00	1.30	500	558	112	71 - 125	527	105	6	30
78-93-3	2-Butanone	0.00	1.42	500	444	89	58 - 137	430	86	3	30
108-10-1	4-Methyl-2-pentanone	0.00	1.20	500	479	96	57 - 132	468	94	2	30
100-42-5	Styrene	0.00	0.894	500	552	110	71 - 127	535	107	3	30
95-50-1	1,2-Dichlorobenzene	0.00	1.35	500	509	102	71 - 126	512	102	1	30
127-18-4	Tetrachloroethene	665	1.93	500	1100	87	68 - 128	1050	77	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	1.09	500	481	96	70 - 122	473	95	2	30
120-82-1	1,2,4-Trichlorobenzene	0.00	1.05	500	503	101	61 - 135	496	99	1	30
71-55-6	1,1,1-Trichloroethane	0.00	1.23	500	584	117	76 - 126	544	109	7	30
79-00-5	1,1,2-Trichloroethane	0.00	1.59	500	504	101	72 - 121	497	99	1	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.769	500	533	107	69 - 132	502	100	6	30
156-59-2	cis-1,2-Dichloroethene	48.4	1.03	500	574	105	73 - 130	548	100	5	30

Revision 1

GC/MS Volatiles Quality Control Summary

Analytical Batch	527555	**Client ID**	MTWMW-08		MS-1			MSD-1			
Prep Batch	N/A	**GCAL ID**	21403121106		21403121107			21403121108			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 12:46		03/14/2014 15:48			03/14/2014 16:11			
		Matrix	Water		Water			Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
75-69-4	Trichlorofluoromethane	0.00	1.57	500	527	105	72 - 136	498	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.00	1.46	500	477	95	56 - 124	423	85	12	30
75-01-4	Vinyl chloride	0.00	1.27	500	545	109	68 - 132	489	98	11	30
95-47-6	o-Xylene	0.00	0.554	500	558	112	73 - 130	534	107	4	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	1.94	500	453	91	57 - 121	441	88	3	30
106-93-4	1,2-Dibromoethane	0.00	1.02	500	520	104	70 - 124	507	101	3	30
108-05-4	Vinyl acetate	0.00	1.51	500	460	92	54 - 147	448	90	3	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.777	500	499	100	71 - 125	484	97	3	30
541-73-1	1,3-Dichlorobenzene	0.00	1.38	500	522	104	74 - 126	502	100	4	30
108-87-2	Methylcyclohexane	0.00	1.43	500	505	101	67 - 138	471	94	7	30
106-46-7	1,4-Dichlorobenzene	0.00	0.831	500	515	103	72 - 122	489	98	5	30
1330-20-7	Xylene (total)	0.00	1.79	1500	1660	111	74 - 127	1580	105	5	30
110-82-7	Cyclohexane	0.00	3.37	500	496	99	69 - 132	466	93	6	30
75-35-4	1,1-Dichloroethene	0.00	2.08	500	525	105	69 - 129	484	97	8	20
79-20-9	Methyl Acetate	0.00	1.59	500	495	99	57 - 139	456	91	8	30
71-43-2	Benzene	0.00	1.11	500	551	110	70 - 129	512	102	7	20
79-01-6	Trichloroethene	310	1.61	500	831	104	76 - 129	776	93	7	20
108-88-3	Toluene	0.00	1.22	500	512	102	72 - 120	490	98	4	20
108-90-7	Chlorobenzene	0.00	0.828	500	528	106	74 - 123	508	102	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	524	105	500	525	105	78 - 130	524	105		
1868-53-7	Dibromofluoromethane	507	101	500	538	108	77 - 127	533	107		
2037-26-5	Toluene d8	534	107	500	480	96	76 - 134	481	96		
17060-07-0	1,2-Dichloroethane-d4	472	94	500	528	106	71 - 127	527	105		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527674	**Client ID**	MB527674	LCS527674	LCSD527674
Prep Batch N/A	**GCAL ID**	1293214	1293215	1293216
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/16/2014 13:48	03/16/2014 12:23	03/16/2014 12:45
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	52.0	104	44 - 156	56.5	113	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.1	104	74 - 125	55.1	110	6	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.7	97	64 - 122	52.9	106	8	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.5	91	47 - 138	63.3	127	33*	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	58.4	117	69 - 136	58.0	116	1	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	56.5	113	76 - 128	56.5	113	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	54.1	108	62 - 141	55.2	110	2	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	113	113	74 - 126	110	110	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	52.2	104	75 - 122	54.1	108	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	49.1	98	59 - 132	54.5	109	10	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.8	104	71 - 123	54.4	109	5	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.6	105	58 - 140	52.6	105	0	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	54.2	108	74 - 127	56.5	113	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.2	102	71 - 129	53.5	107	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	53.2	106	73 - 130	55.9	112	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	55.1	110	69 - 132	55.8	112	1	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	51.1	102	68 - 132	53.5	107	5	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.6	107	72 - 128	55.7	111	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	54.3	109	71 - 132	57.0	114	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	53.3	107	71 - 131	57.0	114	7	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	54.8	110	74 - 126	53.7	107	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	52.8	106	50 - 135	60.4	121	13	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	60.7	121	71 - 125	57.6	115	5	30
78-93-3	2-Butanone	0.142U	0.142	50.0	52.6	105	58 - 137	59.2	118	12	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	52.9	106	57 - 132	59.8	120	12	30
100-42-5	Styrene	0.089U	0.089	50.0	57.3	115	71 - 127	57.4	115	0	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	54.7	109	68 - 128	53.1	106	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.3	97	70 - 122	56.5	113	16	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	56.3	113	61 - 135	60.6	121	7	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	54.7	109	76 - 126	56.7	113	4	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	52.1	104	72 - 121	54.8	110	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	55.6	111	72 - 136	57.4	115	3	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	55.4	111	68 - 132	57.8	116	4	30

Revision 1

GC/MS Volatiles Quality Control Summary

Analytical Batch	527674	**Client ID**	MB527674			LCS527674				LCSD527674		
Prep Batch	N/A	**GCAL ID**	1293214			1293215				1293216		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/16/2014 13:48			03/16/2014 12:23				03/16/2014 12:45		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**				**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits**	**% R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	56.2	112	73 -	130	55.4	111	1	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	50.7	101	57 -	121	60.4	121	17	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.6	101	70 -	124	54.4	109	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	49.3	99	54 -	147	53.4	107	8	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.0	102	71 -	125	54.7	109	7	30
1330-20-7	Xylene (total)	0.179U	0.179	150	169	113	74 -	127	165	110	2	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	64.5	129	67 -	138	59.2	118	9	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	63.7	127	69 -	132	60.2	120	6	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	51.6	103	57 -	139	56.4	113	9	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	59.5	119	72 -	136	57.9	116	3	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	50.3	101	56 -	124	57.2	114	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.6	103	74 -	126	54.2	108	5	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.8	104	72 -	122	54.9	110	6	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.6	105	71 -	126	55.5	111	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.1	108	69 -	129	56.9	114	5	20
71-43-2	Benzene	0.111U	0.111	50.0	52.5	105	70 -	129	54.9	110	4	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.3	107	76 -	129	54.9	110	3	20
108-88-3	Toluene	0.122U	0.122	50.0	52.4	105	72 -	120	53.2	106	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.5	105	74 -	123	53.5	107	2	20
Surrogate												
460-00-4	4-Bromofluorobenzene	46.8	94	50	49.9	100	78 -	130	49.2	98		
1868-53-7	Dibromofluoromethane	50.2	100	50	49.5	99	77 -	127	49.4	99		
2037-26-5	Toluene d8	49.6	99	50	49.4	99	76 -	134	49.2	98		
17060-07-0	1,2-Dichloroethane-d4	51.7	103	50	50.6	101	71 -	127	50.6	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527674	**Client ID**	DMMW-9	DMMW-9 MS	DMMW-9 MSD	
Prep Batch N/A	**GCAL ID**	21403141002	21403141003	21403141004	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/16/2014 17:05	03/16/2014 17:26	03/16/2014 17:47	
	Matrix	Water	Water	Water	

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	111	0.109	50.0	153	84	74 - 126	144	**66***	6	30
1330-20-7	Xylene (total)	87.3	0.179	150	241	102	74 - 127	229	94	5	30
71-43-2	Benzene	60.8	0.111	50.0	104	86	70 - 129	102	82	2	20
108-88-3	Toluene	2.84	0.122	50.0	55.0	104	72 - 120	52.7	100	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene			50	50.3	101	78 - 130	49.4	99		
1868-53-7	Dibromofluoromethane			50	47	94	77 - 127	47.8	96		
2037-26-5	Toluene d8			50	49.3	99	76 - 134	48.8	98		
17060-07-0	1,2-Dichloroethane-d4			50	56.6	113	71 - 127	54.9	110		

General Chromatography Quality Control Summary

Analytical Batch	527898	**Client ID**	MB527898	LCS527898
Prep Batch	N/A	**GCAL ID**	1294122	1294123
		Sample Type	Method Blank	LCS
		Analytical Date	03/19/2014 14:11	03/19/2014 14:24
		Matrix	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	
74-82-8	Methane	0.435U	0.435	17.5	14.7	84	39 - 120	
74-85-1	Ethene	0.071U	0.071	3.06	2.72	89	45 - 134	
74-84-0	Ethane	0.087U	0.087	3.28	2.83	86	45 - 128	
Surrogate								
115-07-1	Propene	28.6	71	40.5	25.9	64	40 - 143	

Analytical Batch	527898	**Client ID**	MTWMW-08	MS-1	MSD-1
Prep Batch	N/A	**GCAL ID**	21403121106	21403121107	21403121108
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/19/2014 16:04	03/19/2014 16:14	03/19/2014 16:24
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.312	0.435	17.5	16.5	93	39 - 120	17.1	96	4	27
74-85-1	Ethene	0.00	0.071	3.06	3.30	108	45 - 134	3.41	111	3	25
74-84-0	Ethane	0.00	0.087	3.28	3.18	97	45 - 128	3.29	100	3	29
Surrogate											
115-07-1	Propene	25.6	63	40.5	28.6	71	40 - 143	29.1	72		

General Chemistry Quality Control Summary

Analytical Batch	527419	**Client ID**	MB527419			LCS527419		
Prep Batch	N/A	**GCAL ID**	1291707			1291708		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/12/2014 17:30			03/12/2014 16:35		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	49.8	100	80 - 120	

Analytical Batch	527419	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/12/2014 19:57			03/12/2014 20:23			03/12/2014 20:51			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.30	50.0	50.2	100	75 - 125	50.8	102	1	25	

Analytical Batch	527419	**Client ID**	SS01-DP39-031114			SS01-DP39-031114 MS			SS01-DP39-031114 MSD			
Prep Batch	N/A	**GCAL ID**	21403121211			21403121212			21403121213			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 10:02			03/13/2014 10:36			03/13/2014 12:55			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	0.00	0.60	100	106	106	75 - 125	122	122	14	25	

General Chemistry Quality Control Summary

Analytical Batch 527659	**Client ID**	MB527659			LCS527659			
Prep Batch N/A	**GCAL ID**	1293183			1293184			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result		**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U		2.00	25.0	27.7	111	80 - 120	

Analytical Batch 527659	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch N/A	**GCAL ID**	21403121106			21403121107			21403121108			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result		**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000		2.00	25.0	26.1	104	75 - 125	27.1	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	527407	**Client ID**	MB527407			LCS527407					
Prep Batch	N/A	**GCAL ID**	1291602			1291603					
		Sample Type	Method Blank			LCS					
		Analytical Date	03/12/2014 15:08			03/12/2014 14:50					
		Matrix	Water			Water					
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**			
		Result	**RDL**	**Added**			**% R**	**Limits % R**			
16887-00-6	Chloride	0.050U	0.050	2.50		2.44	98	80 - 120			
14797-55-8	Nitrate	0.050U	0.050	2.50		2.34	94	80 - 120			
14808-79-8	Sulfate	0.050U	0.050	2.50		2.50	100	80 - 120			

Analytical Batch	527407	**Client ID**	MTWMW-08			MS-1			MSD-1				
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108				
		Sample Type	SAMPLE			MS			MSD				
		Analytical Date	03/12/2014 17:11			03/12/2014 17:29			03/12/2014 17:47				
		Matrix	Water			Water			Water				
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**			**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	2.05	0.050	2.50		4.51	99	80 - 120	4.47	97	1	15	

Analytical Batch	527407	**Client ID**	MTWMW-08			MS-1			MSD-1				
Prep Batch	N/A	**GCAL ID**	21403121106			21403121107			21403121108				
		Sample Type	SAMPLE			MS			MSD				
		Analytical Date	03/13/2014 02:00			03/13/2014 02:18			03/13/2014 02:35				
		Matrix	Water			Water			Water				
EPA 9056A		**Units**	mg/L	**Spike**		**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**			**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0		35.3	91	80 - 120	35.4	91	0	15	
14808-79-8	Sulfate	23.0	0.500	25.0		48.3	101	80 - 120	48.3	101	0	15	

General Chemistry Quality Control Summary

Analytical Batch 527407		**Client ID**	JW-MW-1			1291285MS			1291285MSD		
Prep Batch N/A		**GCAL ID**	21403116204			1291604			1291605		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/12/2014 23:04			03/12/2014 23:21			03/12/2014 23:39		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14808-79-8	Sulfate	91.6	2.50	125	221	103	80 - 120	222	104	1	15

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031211
Due Date: 03/21/14

Report to:
Client: AMEC E&F, Inc.
Address: 396 Plasters Ave, NE Atlanta, GA 30324
Contact: daniel.morris@amec.com
Phone: 770.547.4409
E-mail: Daniel Morris

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Tela ~~Moriekis~~, Mark Andrews

Analytical Requests & Method: VOCs 8260B; TOC; Methane, Ethane, Ethene; Chloride, Sulfate; *NITRATE*; Sulfide

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 2.1 EZZ

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	*NITRATE*	Sulfide	Preservative
W	3/11	1040		X	JPMW-17	9	3	2	2	1	1	1	1
		1210			JPMW-21	8	2						2
		1400			JPMW-22	9	3						3
		0953			MTWMW-9	9							4
		1200			DUP-1	9							5
		1153			MTWMW-08	9							6
		1153			MS-1	9							7
		1153			MSD-1	9							8
		1413			MTWMW-12	9							9
		1215			MTWMW-4								10
		1245			HOAMW-3								11
		1520			RPMW-15								12
W	3/11	—			Trip Blank	3	X						13 sample added per Containers received 3/12 SH

Air Bill No: 7981 8273 3907

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/11/14	1526	HOAO ANOZ	03/11/14	15:26
FEDEX	3-12-14	10:45		3-12-14	10:45

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

Revision 1

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031211

SAMPLE DELIVERY GROUP 214031211

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/12/14

CHECKLIST

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
798182733907		2.1

DISCREPANCIES

21403121102 - JPMW-21:

Broken Container (Container 4 - Unassigned)

21403121113 - TRIP BLANK:

Extra Sample - Not Listed on COC

LAB PRESERVATIONS

None

NOTES

Revision 1.4

Revision 1

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/25/2014

GCAL Report 214031305

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031305

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21403130502 (JPMW-16), 21403130504 (RPMW-1) and 21403130506 (HOAMW-SI) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403130501 (JPMW-23) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

For sample 21403130505 (MPMW-19), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031305

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	JPMW-23	Water	03/12/2014 10:00	03/13/2014 10:00
21403130502	JPMW-16	Water	03/12/2014 12:00	03/13/2014 10:00
21403130503	JPBRW-1	Water	03/12/2014 10:25	03/13/2014 10:00
21403130504	RPMW-1	Water	03/12/2014 12:10	03/13/2014 10:00
21403130505	MPMW-19	Water	03/12/2014 14:05	03/13/2014 10:00
21403130506	HOAMW-SI	Water	03/12/2014 10:43	03/13/2014 10:00
21403130507	HOAMW-14	Water	03/12/2014 14:00	03/13/2014 10:00

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.868	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.66J	5.00	0.208	ug/L
71-43-2	Benzene	0.989J	5.00	0.111	ug/L
67-66-3	Chloroform	0.855J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	111	5.00	0.193	ug/L
79-01-6	Trichloroethene	35.1	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	39.5	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	11.7	2.00	0.500	mg/L
14808-79-8	Sulfate	20.4	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	479	20.0	4.35	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.83	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	6.23J	10.0	0.387	ug/L
67-66-3	Chloroform	1.53J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	262	10.0	0.385	ug/L
79-01-6	Trichloroethene	177	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	44.3	10.0	0.207	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.0	2.00	0.500	mg/L
14808-79-8	Sulfate	20.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.187J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	5.85	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	3.42J	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.61J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	2.70J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.154J	10.0	0.123	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.846J	1.00	0.087	ug/L
74-85-1	Ethene	3.01	1.00	0.071	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	41.4	2.00	0.500	mg/L
14808-79-8	Sulfate	21.1	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.06	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.96J	50.0	1.55	ug/L
127-18-4	Tetrachloroethene	788	50.0	1.93	ug/L
79-01-6	Trichloroethene	641	50.0	1.61	ug/L
156-59-2	cis-1,2-Dichloroethene	167	50.0	1.03	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	15.1	2.00	0.500	mg/L
14808-79-8	Sulfate	23.8	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.65	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	3.06J	5.00	0.171	ug/L
127-18-4	Tetrachloroethene	2.64J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.91J	5.00	0.161	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.551J	5.00	0.078	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	43.8	2.00	0.500	mg/L
14808-79-8	Sulfate	12.0	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.39	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	3.75J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	216	10.0	0.385	ug/L
79-01-6	Trichloroethene	96.8	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	87.9	10.0	0.207	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	19.8	2.00	0.500	mg/L
14808-79-8	Sulfate	17.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.160J	0.200	0.050	mg/L
14808-79-8	Sulfate	2.66	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.858J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.378J	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.260J	5.00	0.157	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:03	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.66J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	**Benzene**	**0.989J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.855J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**111**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**35.1**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**39.5**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:03	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.2	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	52.7	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	46.3	ug/L	93	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.6	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:24	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.9	ug/L	64	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/24/2014 17:30	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**479**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 18:04	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130501	**JPMW-23**	Water	03/12/2014 10:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 15:41	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.868**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 09:07	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**11.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**20.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 21:26	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**6.23J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**1.53J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**262**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**177**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**44.3**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 21:26	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	96.8	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	100	103	ug/L	103	77 - 127
2037-26-5	Toluene d8	100	94.4	ug/L	94	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:36	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	21.4	ug/L	53	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 19:40	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130502	**JPMW-16**	Water	03/12/2014 12:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 16:33	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.83**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 09:59	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.0**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**20.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:47	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**5.85**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**3.42J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.61J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.70J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.154J**	**10.0**	**0.123**	**ug/L**
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 21:47	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.7	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53.5	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	47.2	ug/L	94	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:42	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.846J**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.01**	**1.00**	**0.071**	**ug/L**
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	17.8	ug/L	44	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 20:18	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130503	**JPBRW-1**	Water	03/12/2014 10:25	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 16:51	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.187J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:17	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**41.4**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**21.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:10	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	1.23U	50.0	1.23	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.09U	50.0	1.09	ug/L
79-00-5	1,1,2-Trichloroethane	1.59U	50.0	1.59	ug/L
75-34-3	1,1-Dichloroethane	1.71U	50.0	1.71	ug/L
75-35-4	1,1-Dichloroethene	2.08U	50.0	2.08	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.05U	50.0	1.05	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	1.94U	50.0	1.94	ug/L
106-93-4	1,2-Dibromoethane	1.02U	50.0	1.02	ug/L
95-50-1	1,2-Dichlorobenzene	1.35U	50.0	1.35	ug/L
107-06-2	1,2-Dichloroethane	1.16U	50.0	1.16	ug/L
78-87-5	1,2-Dichloropropane	1.50U	50.0	1.50	ug/L
541-73-1	1,3-Dichlorobenzene	1.38U	50.0	1.38	ug/L
106-46-7	1,4-Dichlorobenzene	0.831U	50.0	0.831	ug/L
78-93-3	2-Butanone	1.42U	50.0	1.42	ug/L
110-75-8	2-Chloroethylvinyl ether	1.46U	50.0	1.46	ug/L
591-78-6	2-Hexanone	1.22U	50.0	1.22	ug/L
108-10-1	4-Methyl-2-pentanone	1.20U	50.0	1.20	ug/L
67-64-1	Acetone	1.93U	50.0	1.93	ug/L
71-43-2	Benzene	1.11U	50.0	1.11	ug/L
75-27-4	Bromodichloromethane	0.834U	50.0	0.834	ug/L
75-25-2	Bromoform	2.15U	50.0	2.15	ug/L
74-83-9	Bromomethane	4.27U	50.0	4.27	ug/L
75-15-0	Carbon disulfide	1.90U	50.0	1.90	ug/L
56-23-5	Carbon tetrachloride	2.48U	50.0	2.48	ug/L
108-90-7	Chlorobenzene	0.828U	50.0	0.828	ug/L
75-00-3	Chloroethane	2.35U	50.0	2.35	ug/L
67-66-3	**Chloroform**	**3.96J**	**50.0**	**1.55**	**ug/L**
74-87-3	Chloromethane	1.44U	50.0	1.44	ug/L
110-82-7	Cyclohexane	3.37U	50.0	3.37	ug/L
124-48-1	Dibromochloromethane	0.539U	50.0	0.539	ug/L
75-71-8	Dichlorodifluoromethane	1.45U	50.0	1.45	ug/L
100-41-4	Ethylbenzene	1.09U	50.0	1.09	ug/L
98-82-8	Isopropylbenzene (Cumene)	1.30U	50.0	1.30	ug/L
79-20-9	Methyl Acetate	1.59U	50.0	1.59	ug/L
108-87-2	Methylcyclohexane	1.43U	50.0	1.43	ug/L
75-09-2	Methylene chloride	1.49U	50.0	1.49	ug/L
100-42-5	Styrene	0.894U	50.0	0.894	ug/L
127-18-4	**Tetrachloroethene**	**788**	**50.0**	**1.93**	**ug/L**
108-88-3	Toluene	1.22U	50.0	1.22	ug/L
79-01-6	**Trichloroethene**	**641**	**50.0**	**1.61**	**ug/L**
75-69-4	Trichlorofluoromethane	1.57U	50.0	1.57	ug/L
76-13-1	Trichlorotrifluoroethane	1.58U	50.0	1.58	ug/L
108-05-4	Vinyl acetate	1.51U	50.0	1.51	ug/L
75-01-4	Vinyl chloride	1.27U	50.0	1.27	ug/L
1330-20-7	Xylene (total)	1.79U	150	1.79	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**167**	**50.0**	**1.03**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	1.24U	50.0	1.24	ug/L
136777-61-2	m,p-Xylene	1.23U	100	1.23	ug/L
95-47-6	o-Xylene	0.554U	50.0	0.554	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.777U	50.0	0.777	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:10	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.769U	50.0	0.769	ug/L
10061-02-6	trans-1,3-Dichloropropene	1.28U	50.0	1.28	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	505	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	500	536	ug/L	107	77 - 127
2037-26-5	Toluene d8	500	474	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	531	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:47	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22	ug/L	54	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 20:47	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130504	**RPMW-1**	Water	03/12/2014 12:10	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:09	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.06**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:35	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**15.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**23.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 22:31	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**3.06J**	**5.00**	**0.171**	**ug/L**
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.64J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.91J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**0.551J**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 22:31	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.5	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	47.5	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:53	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22	ug/L	54	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 21:13	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130505	**MPMW-19**	Water	03/12/2014 14:05	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:26	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.65**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 10:52	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**43.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**12.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 22:54	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**3.75J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**216**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**96.8**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**87.9**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/14/2014 22:54	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	101	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	100	106	ug/L	106	77 - 127
2037-26-5	Toluene d8	100	96.1	ug/L	96	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:59	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.1	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 21:40	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130506	**HOAMW-SI**	Water	03/12/2014 10:43	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 17:44	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.39**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 11:10	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**19.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**17.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 23:16	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**0.858J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.378J**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**0.260J**	**5.00**	**0.157**	**ug/L**
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 23:16	CEK	527589

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.3	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53.7	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	47.7	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:10	JAR	528236

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.3	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 22:09	JEM	527500

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 08:15	MDW	527659

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403130507	**HOAMW-14**	Water	03/12/2014 14:00	03/13/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/13/2014 18:01	DMT	527481

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.160J**	**0.200**	**0.050**	**mg/L**
14808-79-8	**Sulfate**	**2.66**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 11:28	AEL	527481

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.1**	**2.00**	**0.500**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 527589	**Client ID**	MB527589	LCS527589	LCSD527589
Prep Batch N/A	**GCAL ID**	1292548	1292549	1292550
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/14/2014 14:59	03/14/2014 13:11	03/14/2014 13:55
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	47.3	95	44 - 156	51.2	102	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	57.6	115	74 - 125	58.5	117	2	30
75-25-2	Bromoform	0.215U	0.215	50.0	46.8	94	64 - 122	48.0	96	3	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.6	91	47 - 138	43.7	87	4	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.3	105	69 - 136	48.9	98	7	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	54.9	110	76 - 128	53.2	106	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	41.5	83	62 - 141	39.8	80	4	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	99.4	99	74 - 126	99.7	100	0	30
67-66-3	Chloroform	0.155U	0.155	50.0	56.7	113	75 - 122	54.7	109	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	50.7	101	59 - 132	48.1	96	5	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.9	102	71 - 123	51.4	103	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	50.5	101	58 - 140	44.6	89	12	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	57.6	115	74 - 127	54.9	110	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	54.0	108	71 - 129	56.0	112	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	56.3	113	73 - 130	55.9	112	1	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	57.3	115	69 - 132	53.1	106	8	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	53.2	106	68 - 132	53.4	107	0	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	57.0	114	72 - 128	55.7	111	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	58.3	117	71 - 132	56.9	114	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	59.8	120	71 - 131	59.7	119	0	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	50.3	101	74 - 126	49.5	99	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	46.8	94	50 - 135	47.6	95	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	50.2	100	71 - 125	49.7	99	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	52.4	105	58 - 137	55.1	110	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	49.0	98	57 - 132	50.4	101	3	30
100-42-5	Styrene	0.089U	0.089	50.0	51.1	102	71 - 127	50.7	101	1	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	46.6	93	68 - 128	44.7	89	4	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	47.3	95	70 - 122	47.9	96	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	39.1	78	61 - 135	38.7	77	1	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	56.7	113	76 - 126	53.1	106	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.7	99	72 - 121	50.1	100	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	56.6	113	72 - 136	49.6	99	13	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	50.7	101	68 - 132	46.6	93	8	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527589	**Client ID**	MB527589		LCS527589			LCSD527589			
Prep Batch	N/A	**GCAL ID**	1292548		1292549			1292550			
		Sample Type	Method Blank		LCS			LCSD			
		Analytical Date	03/14/2014 14:59		03/14/2014 13:11			03/14/2014 13:55			
		Matrix	Water		Water			Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	48.3	97	73 - 130	48.3	97	0	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	48.9	98	57 - 121	47.8	96	2	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	47.7	95	70 - 124	47.4	95	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	55.2	110	54 - 147	50.3	101	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	52.6	105	71 - 125	56.0	112	6	30
1330-20-7	Xylene (total)	0.179U	0.179	150	148	99	74 - 127	148	99	0	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.0	102	67 - 138	51.7	103	1	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	55.9	112	69 - 132	53.9	108	4	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	53.2	106	57 - 139	53.5	107	1	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	56.0	112	72 - 136	53.0	106	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	58.3	117	56 - 124	51.1	102	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	45.2	90	74 - 126	47.9	96	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	44.7	89	72 - 122	46.6	93	4	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	45.1	90	71 - 126	47.8	96	6	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	55.6	111	69 - 129	49.7	99	11	20
71-43-2	Benzene	0.111U	0.111	50.0	57.4	115	70 - 129	55.2	110	4	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	58.7	117	76 - 129	56.6	113	4	20
108-88-3	Toluene	0.122U	0.122	50.0	49.5	99	72 - 120	47.2	94	5	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.3	99	74 - 123	47.9	96	3	20
Surrogate											
460-00-4	4-Bromofluorobenzene	50.5	101	50	50.9	102	78 - 130	50.2	100		
1868-53-7	Dibromofluoromethane	52.7	105	50	51.5	103	77 - 127	51.9	104		
2037-26-5	Toluene d8	48	96	50	46.3	93	76 - 134	45.4	91		
17060-07-0	1,2-Dichloroethane-d4	51.5	103	50	50.1	100	71 - 127	51.5	103		

General Chromatography Quality Control Summary

Analytical Batch 528236	**Client ID**	MB528236		LCS528236
Prep Batch N/A	**GCAL ID**	1296026		1296027
	Sample Type	Method Blank		LCS
	Analytical Date	03/24/2014 16:57		03/24/2014 17:04
	Matrix	Water		Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	14.6	83	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	2.76	90	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	2.85	87	45 - 128
Surrogate							
115-07-1	Propene	23.6	58	40.5	17.7	44	40 - 143

General Chemistry Quality Control Summary

Analytical Batch	527500	Client ID	MB527500			LCS527500		
Prep Batch	N/A	GCAL ID	1292197			1292198		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/13/2014 17:32			03/13/2014 16:56		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.4	101	80 - 120

Analytical Batch	527500	Client ID	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	GCAL ID	21403130501			1292199			1292200			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 18:04			03/13/2014 18:42			03/13/2014 19:07			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.06	0.30	50.0	52.6	105	75 - 125	55.1	110	5	25

Analytical Batch	527500	Client ID	SS01-DP37-031214			1291981MS			1291981MSD			
Prep Batch	N/A	GCAL ID	21403130608			1292201			1292202			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/14/2014 11:39			03/14/2014 12:08			03/14/2014 12:32			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.00	1.5	250	259	104	75 - 125	264	106	2	25

General Chemistry Quality Control Summary

Analytical Batch 527659	**Client ID**	MB527659			LCS527659			
Prep Batch N/A	**GCAL ID**	1293183			1293184			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result	**RDL**		**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U	2.00		25.0	27.7	111	80 - 120	

Analytical Batch 527659	**Client ID**	MTWMW-08			MS-1			MSD-1			
Prep Batch N/A	**GCAL ID**	21403121106			21403121107			21403121108			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/16/2014 08:15			03/16/2014 08:15			03/16/2014 08:15			
	Matrix	Water			Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result	**RDL**		**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000	2.00		25.0	26.1	104	75 - 125	27.1	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	527481	**Client ID**	MB527481			LCS527481		
Prep Batch	N/A	**GCAL ID**	1292119			1292120		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/13/2014 15:05			03/13/2014 14:48		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.29	92	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.34	94	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120	

Analytical Batch	527481	**Client ID**	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	**GCAL ID**	21403130501			1292121			1292122			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/13/2014 15:41			03/13/2014 15:58			03/13/2014 16:16			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	0.868	0.050	2.50	3.08	88	80 - 120	3.08	89	0	15	

Analytical Batch	527481	**Client ID**	JPMW-23			1291966MS			1291966MSD			
Prep Batch	N/A	**GCAL ID**	21403130501			1292121			1292122			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/14/2014 09:07			03/14/2014 09:24			03/14/2014 09:42			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.500	25.0	33.3	86	80 - 120	33.2	86	0	15	
14808-79-8	Sulfate	20.4	0.500	25.0	45.4	100	80 - 120	44.8	98	1	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031305
Due Date: 03/24/14

Report to:	**Bill to:**
Client: AMEC E&I, Inc.	Client:
Address: 396 Plasters Ave NE Atlanta, GA	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:
Project Name/Number:
Sampled By:

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.2 EZZ

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	* NITRATE*	Sulfide	Preservative
W	3/12	1000		X	JPMW-23	9	3	2	2	1	1	1	1
		1200		X	JPMW-16								2
		1025			JPBRW-1								3
		1210			RPMW-1								4
		1405			MPMW-19								5
		1043			HOAMW-SI								6
		1400			HOAMW-14								7

K Day 3/12/14

Air Bill No: 7981 9677 4362

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☐ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
K Day	3/12/14	1520	Hubo Amec	03/12/14	15:20
Fed Ex	3/13/14	1000	Jaucen	3/13/14	1000
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031305

SAMPLE DELIVERY GROUP 214031305

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/13/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
7981 9677 4362		1.2

DISCREPANCIES

21403130505 - MPMW-19:
Sample Discrepancy

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/26/2014

GCAL Report 214031420

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031420

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, sample 21403142001 (HOAMW-5) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403142008 (AKZMW-3) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403142001 (HOAMW-5), 21403142002 (DPMW-4I), 21403142004 (AKZMW-6), 21403142005 (AKZMW-7), 21403142007 (AKZMW-4), and 21403142008 (AKZMW-3) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031420

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	HOAMW-5	Water	03/13/2014 10:05	03/14/2014 10:00
21403142002	DPMW-4I	Water	03/13/2014 10:55	03/14/2014 10:00
21403142003	SMFMW-12	Water	03/13/2014 09:53	03/14/2014 10:00
21403142004	AKZMW-6	Water	03/13/2014 12:25	03/14/2014 10:00
21403142005	AKZMW-7	Water	03/13/2014 13:38	03/14/2014 10:00
21403142006	AKZMW-8	Water	03/13/2014 11:58	03/14/2014 10:00
21403142007	AKZMW-4	Water	03/13/2014 14:44	03/14/2014 10:00
21403142008	AKZMW-3	Water	03/13/2014 15:10	03/14/2014 10:00
21403142009	TRIP BLANK-1	Water	03/13/2014 09:53	03/14/2014 10:00
21403142010	TRIP BLANK-2	Water	03/13/2014 09:53	03/14/2014 10:00

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.55	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.97J	10.0	0.310	ug/L
127-18-4	Tetrachloroethene	252	10.0	0.385	ug/L
79-01-6	Trichloroethene	96.1	10.0	0.323	ug/L
156-59-2	cis-1,2-Dichloroethene	81.1	10.0	0.207	ug/L
156-60-5	trans-1,2-Dichloroethene	0.933J	10.0	0.154	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.3	2.00	0.500	mg/L
14808-79-8	Sulfate	16.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	3.16	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.362J	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	23.7	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.08J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.688J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.68J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.49	2.00	0.500	mg/L
14808-79-8	Sulfate	14.7	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	1.14	0.200	0.050	mg/L
14808-79-8	Sulfate	8.14	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.18J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	1.51	0.200	0.050	mg/L
14797-55-8	Nitrate	0.143J	0.200	0.050	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	12.5	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.05	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.41J	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.615J	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	AKZMW-7	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	11.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	AKZMW-8	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.32	0.200	0.050	mg/L
14808-79-8	Sulfate	6.19	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.92J	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	31.9	2.00	0.435	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	AKZMW-4	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.43	0.200	0.050	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	10.1	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	AKZMW-3	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.826	0.200	0.050	mg/L
14808-79-8	Sulfate	0.465	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.9	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.29	2.00	0.500	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	120J	200	17.4	ug/L
74-82-8	Methane	2670	400	87.0	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.74J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/15/2014 11:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	Acetone	0.387U	10.0	0.387	ug/L
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	**Chloroform**	**2.97J**	**10.0**	**0.310**	**ug/L**
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**252**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**96.1**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	Xylene (total)	0.358U	30.0	0.358	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**81.1**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	m,p-Xylene	0.247U	20.0	0.247	ug/L
95-47-6	o-Xylene	0.111U	10.0	0.111	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/15/2014 11:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**0.933J**	**10.0**	**0.154**	**ug/L**
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	95.7	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	100	99.4	ug/L	99	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	100	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:12	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.2	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 19:49	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142001	**HOAMW-5**	Water	03/13/2014 10:05	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 16:58	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.55**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 20:47	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.3**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**16.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 11:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**0.362J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**23.7**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.08J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.688J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 11:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.3	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:18	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.8	ug/L	79	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 20:23	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.68J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142002	**DPMW-4I**	Water	03/13/2014 10:55	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 17:51	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**3.16**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 21:40	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.49**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**14.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.18J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	45.2	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.9	ug/L	102	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:24	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.4	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 21:45	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:09	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**1.14**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142003	**SMFMW-12**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:09	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**8.14**	**0.200**	**0.050**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:29	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.9	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:33	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	24.2	ug/L	60	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 22:20	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142004	**AKZMW-6**	Water	03/13/2014 12:25	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:26	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**1.51**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.143J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:15	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**12.5**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:49	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	45.1	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	48.8	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.7	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:40	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.615J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22.2	ug/L	55	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/16/2014 22:56	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.41J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142005	**AKZMW-7**	Water	03/13/2014 13:38	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 18:44	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.05**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 22:33	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**11.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	**AKZMW-8**	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:09	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.6	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.1	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:48	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**31.9**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.9	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 01:00	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.92J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142006	**AKZMW-8**	Water	03/13/2014 11:58	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 19:02	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.32**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L
14808-79-8	**Sulfate**	**6.19**	**0.200**	**0.050**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	**AKZMW-4**	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:31	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.3	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.3	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.6	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 11:54	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.2	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 01:34	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142007	**AKZMW-4**	Water	03/13/2014 14:44	03/14/2014 10:00

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 19:19	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.43**	**0.200**	**0.050**	**mg/L**
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/14/2014 23:43	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**10.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:50	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	48.6	ug/L	97	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:01	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	19	ug/L	47	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			200	03/25/2014 12:08	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**120J**	**200**	**17.4**	**ug/L**
74-82-8	**Methane**	**2670**	**400**	**87.0**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:02	KLC2	527651

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.9**	**1.0**	**0.30**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142008	**AKZMW-3**	Water	03/13/2014 15:10	03/14/2014 10:00

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/14/2014 20:12	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.826**	**0.200**	**0.050**	**mg/L**
14808-79-8	**Sulfate**	**0.465**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 00:01	AEL	527596

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.29**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:10	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.74J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142009	**TRIP BLANK-1**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:10	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.1	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.8	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142010	**TRIP BLANK-2**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403142010	**TRIP BLANK-2**	Water	03/13/2014 09:53	03/14/2014 10:00

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:30	LBH	527616

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 527616	**Client ID**	MB527616	LCS527616	LCSD527616
Prep Batch N/A	**GCAL ID**	1292966	1292967	1292968
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/15/2014 08:27	03/15/2014 07:07	03/15/2014 07:27
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	44.1	88	44 - 156	46.4	93	5	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	49.7	99	74 - 125	47.8	96	4	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.8	98	64 - 122	48.7	97	0	30
74-83-9	Bromomethane	0.427U	0.427	50.0	57.7	115	47 - 138	59.3	119	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.1	100	69 - 136	45.0	90	11	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.3	103	76 - 128	48.4	97	6	30
75-00-3	Chloroethane	0.235U	0.235	50.0	44.2	88	62 - 141	41.8	84	6	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	93.9	94	74 - 126	89.6	90	5	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.9	96	75 - 122	45.7	91	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	50.2	100	59 - 132	47.8	96	5	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	48.7	97	71 - 123	48.6	97	0	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	52.1	104	58 - 140	48.6	97	7	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	47.0	94	74 - 127	45.1	90	4	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	49.0	98	71 - 129	48.3	97	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	48.5	97	73 - 130	45.4	91	7	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	48.0	96	69 - 132	44.9	90	7	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	47.3	95	68 - 132	45.3	91	4	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.0	98	72 - 128	46.5	93	5	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.0	100	71 - 132	47.6	95	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	52.1	104	71 - 131	49.5	99	5	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	47.2	94	74 - 126	44.3	89	6	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	41.9	84	50 - 135	47.2	94	12	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	47.9	96	71 - 125	44.2	88	8	30
78-93-3	2-Butanone	0.142U	0.142	50.0	43.7	87	58 - 137	50.5	101	14	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.8	90	57 - 132	50.3	101	12	30
100-42-5	Styrene	0.089U	0.089	50.0	48.0	96	71 - 127	46.2	92	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.8	96	68 - 128	45.4	91	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	46.3	93	70 - 122	50.4	101	8	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	47.7	95	61 - 135	44.2	88	8	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	50.0	100	76 - 126	46.2	92	8	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	46.0	92	72 - 121	45.8	92	0	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	51.1	102	72 - 136	47.2	94	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	47.7	95	68 - 132	44.6	89	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527616	**Client ID**	MB527616	LCS527616	LCSD527616
Prep Batch N/A	**GCAL ID**	1292966	1292967	1292968
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/15/2014 08:27	03/15/2014 07:07	03/15/2014 07:27
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	46.3	93	73 - 130	43.4	87	6	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	40.3	81	57 - 121	44.2	88	9	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	46.5	93	70 - 124	46.2	92	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	48.6	97	54 - 147	48.7	97	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	46.3	93	71 - 125	46.6	93	1	30
1330-20-7	Xylene (total)	0.179U	0.179	150	140	93	74 - 127	133	89	5	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.2	102	67 - 138	45.3	91	12	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.5	105	69 - 132	48.0	96	9	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	47.1	94	57 - 139	52.6	105	11	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.0	104	72 - 136	48.4	97	7	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	51.3	103	56 - 124	55.0	110	7	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	47.7	95	74 - 126	45.7	91	4	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	46.3	93	72 - 122	44.8	90	3	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	47.4	95	71 - 126	45.4	91	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	46.6	93	69 - 129	43.7	87	6	20
71-43-2	Benzene	0.111U	0.111	50.0	47.2	94	70 - 129	44.8	90	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	46.6	93	76 - 129	43.4	87	7	20
108-88-3	Toluene	0.122U	0.122	50.0	45.7	91	72 - 120	43.5	87	5	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	45.9	92	74 - 123	43.9	88	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	47	94	50	48.3	97	78 - 130	47.6	95		
1868-53-7	Dibromofluoromethane	50.8	102	50	51.6	103	77 - 127	52	104		
2037-26-5	Toluene d8	49	98	50	49.4	99	76 - 134	49.6	99		
17060-07-0	1,2-Dichloroethane-d4	51.5	103	50	50.8	102	71 - 127	51.6	103		

General Chromatography Quality Control Summary

Analytical Batch	528337	**Client ID**	MB528337	LCS528337
Prep Batch	N/A	**GCAL ID**	1296462	1296463
		Sample Type	Method Blank	LCS
		Analytical Date	03/25/2014 10:50	03/25/2014 10:58
		Matrix	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	16.9	97	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	3.26	99	45 - 128
Surrogate							
115-07-1	Propene	28.7	71	40.5	26.1	64	40 - 143

Analytical Batch	528337	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch	N/A	**GCAL ID**	21403150607	21403150608	21403150609
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/25/2014 14:59	03/25/2014 15:05	03/25/2014 15:10
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.00	0.435	17.5	17.3	99	39 - 120	16.3	93	6	27
74-85-1	Ethene	0.00	0.071	3.06	3.48	114	45 - 134	3.50	114	1	25
74-84-0	Ethane	0.00	0.087	3.28	3.37	103	45 - 128	3.15	96	7	29
Surrogate											
115-07-1	Propene			40.5	26	64	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch 527651		**Client ID**	MB527651			LCS527651		
Prep Batch N/A		**GCAL ID**	1293154			1293155		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/16/2014 17:54			03/16/2014 16:58		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.8	104	80 - 120	

Analytical Batch 527651		**Client ID**	DPMW-4I			1292561MS			1292561MSD			
Prep Batch N/A		**GCAL ID**	21403142002			1293220			1293221			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/16/2014 20:23			03/16/2014 20:55			03/16/2014 21:19			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.68	0.30	50.0	53.5	106	75 - 125	55.3	109	3	25

Analytical Batch 527651		**Client ID**	AKZMW-4			1292567MS			1292567MSD			
Prep Batch N/A		**GCAL ID**	21403142007			1293222			1293223			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/17/2014 01:34			03/17/2014 02:10			03/17/2014 02:36			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.00	0.30	50.0	51.9	104	75 - 125	52.9	106	2	25

General Chemistry Quality Control Summary

Analytical Batch 527752	**Client ID**	MB527752			LCS527752		
Prep Batch N/A	**GCAL ID**	1293506			1293507		
	Sample Type	Method Blank			LCS		
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50		
	Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
18496-25-8 Sulfide		2.00U	2.00	25.0	25.8	103	80 - 120

General Chemistry Quality Control Summary

Analytical Batch	527596	**Client ID**	MB527596			LCS527596			
Prep Batch	N/A	**GCAL ID**	1292590			1292591			
		Sample Type	Method Blank			LCS			
		Analytical Date	03/14/2014 16:23			03/14/2014 16:05			
		Matrix	Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**		
		Result	**RDL**	**Added**		**% R**	**Limits % R**		
16887-00-6	Chloride	0.050U	0.050	2.50	2.25	90	80 - 120		
14797-55-8	Nitrate	0.050U	0.050	2.50	2.28	91	80 - 120		
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120		

Analytical Batch	527596	**Client ID**	HOAMW-5		1292560MS			1292560MSD			
Prep Batch	N/A	**GCAL ID**	21403142001		1292592			1292593			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 16:58		03/14/2014 17:16			03/14/2014 17:33			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.55	0.050	2.50	3.91	94	80 - 120	3.95	96	1	15

Analytical Batch	527596	**Client ID**	HOAMW-5		1292560MS			1292560MSD			
Prep Batch	N/A	**GCAL ID**	21403142001		1292592			1292593			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/14/2014 20:47		03/14/2014 21:05			03/14/2014 21:22			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.3	0.500	25.0	45.8	98	80 - 120	45.3	96	1	15
14808-79-8	Sulfate	16.1	0.500	25.0	42.5	106	80 - 120	42.6	106	0	15

GCAL ANALYTICAL LABORATORIES, LLC

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Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY R

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031420
Due Date: 03/25/14

NLY

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address: 396 Plasters Ave. NE Atlanta, GA 30324	Address: Same Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Mark Andrews, Tela Noriekis

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.9, 1.5 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	* NITRATE*	Sulfide	Preservative
						↓	3	2	2	1	1	1	←
W	3/13/14	1005		X	HOAMW-5	9	3	2	2	1	1	1	1
		1055			DPMW-4I								2
		0953			SMFMW-12								3
		1225			AKZMW-6								4
		1338			AKZMW-7								5
		1158			AKZMW-8								6
		1444			AKZMW-4								7
		1510			AKZMW-3								8
W	3/13	0953 ~~1007~~	DUP	X	TRIP Blank-1	3	3						9
W	11	0953		X	TRIP Blank-2	3	3						10

Air Bill No: 8045 4926 1970 30420551

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/13/14	1530	FEDEX		
Relinquished by: (Signature) FEDEX	Date: 3-14-14	Time: 10:00	Received by: (Signature)	Date: 3-14-14	Time: 10:00
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031420

SAMPLE DELIVERY GROUP 214031420	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/14/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
804549261970		1.9
		1.5

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/26/2014

GCAL Report 214031506

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031506

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 527958, the LCS and/or LCSD recoveries are above the upper control limit for Vinyl acetate and 2-Chloroethylvinyl ether. 2-Chloroethylvinyl ether exhibited a % recovery of 40.1 in the ICV. Vinyl Acetate exhibited a % recovery of 56.5 in the ICV. These compounds were not detected during sample analysis. The MS/MSD recoveries for 2-Chloroethylvinyl ether are not applicable because this compound is not recovered in acidified samples.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031506

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	DPMW-4S	Water	03/14/2014 09:37	03/15/2014 09:40
21403150602	DPMW-1S	Water	03/14/2014 11:37	03/15/2014 09:40
21403150603	DPMW-2I	Water	03/14/2014 10:40	03/15/2014 09:40
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40
21403150605	DUP-2	Water	03/14/2014 12:00	03/15/2014 09:40
21403150606	SMFDR-2	Water	03/14/2014 12:23	03/15/2014 09:40
21403150607	MPMW-15	Water	03/14/2014 09:25	03/15/2014 09:40
21403150608	MS-2	Water	03/14/2014 09:25	03/15/2014 09:40
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.94	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.18J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.202J	5.00	0.083	ug/L
67-66-3	Chloroform	1.54J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	15.5	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.04J	5.00	0.161	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.72J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.23	2.00	0.500	mg/L
14808-79-8	Sulfate	13.2	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.70	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.876J	5.00	0.193	ug/L
67-66-3	Chloroform	1.19J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.32J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.02	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	DPMW-1S	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	28.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	DPMW-2I	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.4	2.00	0.500	mg/L
14797-55-8	Nitrate	7.13	2.00	0.500	mg/L
14808-79-8	Sulfate	25.8	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.335J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	2.45J	5.00	0.208	ug/L
67-66-3	Chloroform	0.623J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	36.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	8.61	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.54	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.75J	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.93	0.200	0.050	mg/L
14797-55-8	Nitrate	0.159J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.40J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	20.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.66	5.00	0.161	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	DPMW-2S	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	11.4	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	DUP-2	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	35.2	2.00	0.500	mg/L
14797-55-8	Nitrate	7.06	2.00	0.500	mg/L
14808-79-8	Sulfate	26.3	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	2.45J	5.00	0.208	ug/L
67-64-1	Acetone	1.37J	5.00	0.193	ug/L
67-66-3	Chloroform	0.613J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	37.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	8.58	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	5.70	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30J	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	SMFDR-2	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.63	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.22J	5.00	0.208	ug/L
127-18-4	Tetrachloroethene	2.92J	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.21J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.208J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	30.7	2.00	0.500	mg/L
14808-79-8	Sulfate	26.6	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.633	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.727J	5.00	0.193	ug/L
67-66-3	Chloroform	0.229J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.07J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.1	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.8	2.00	0.500	mg/L
14808-79-8	Sulfate	14.7	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

RSK 175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.37	1.00	0.087	ug/L
74-85-1	Ethene	3.48	1.00	0.071	ug/L
74-82-8	Methane	17.3	2.00	0.435	ug/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.81	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	54.3	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.9	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	50.5	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	54.6	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	55.2	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.3	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	50.1	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	49.3	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	49.0	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	50.8	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	53.4	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	49.9	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	48.7	5.00	0.083	ug/L
78-93-3	2-Butanone	39.6	5.00	0.142	ug/L
591-78-6	2-Hexanone	42.7	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	50.4	5.00	0.120	ug/L
67-64-1	Acetone	27.8	5.00	0.193	ug/L
71-43-2	Benzene	52.1	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	52.0	5.00	0.083	ug/L
75-25-2	Bromoform	45.4	5.00	0.215	ug/L
74-83-9	Bromomethane	46.8	5.00	0.427	ug/L
75-15-0	Carbon disulfide	55.5	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	55.9	5.00	0.248	ug/L
108-90-7	Chlorobenzene	50.5	5.00	0.083	ug/L
75-00-3	Chloroethane	53.2	5.00	0.235	ug/L
67-66-3	Chloroform	51.5	5.00	0.155	ug/L
74-87-3	Chloromethane	44.3	5.00	0.144	ug/L
110-82-7	Cyclohexane	57.3	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	50.6	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	51.4	5.00	0.145	ug/L
100-41-4	Ethylbenzene	51.4	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	53.1	5.00	0.130	ug/L
79-20-9	Methyl Acetate	50.1	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	56.7	5.00	0.143	ug/L
75-09-2	Methylene chloride	50.9	5.00	0.149	ug/L
100-42-5	Styrene	52.8	5.00	0.089	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	MS-2	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	50.5	5.00	0.193	ug/L
108-88-3	Toluene	50.1	5.00	0.122	ug/L
79-01-6	Trichloroethene	51.1	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	56.6	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	55.9	5.00	0.158	ug/L
108-05-4	Vinyl acetate	62.2	5.00	0.151	ug/L
75-01-4	Vinyl chloride	53.4	5.00	0.127	ug/L
1330-20-7	Xylene (total)	156	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	53.7	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.2	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	103	10.0	0.123	ug/L
95-47-6	o-Xylene	52.4	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	51.0	5.00	0.078	ug/L
156-60-5	trans-1,2-Dichloroethene	54.7	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	52.9	5.00	0.128	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	57.3	1.0	0.30	mg/L

SM 4500-S2 F Sulfide Water

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	25.2	2.00	2.00	mg/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.1	2.00	0.500	mg/L
14808-79-8	Sulfate	38.9	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

RSK 175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	3.15	1.00	0.087	ug/L
74-85-1	Ethene	3.50	1.00	0.071	ug/L
74-82-8	Methane	16.3	2.00	0.435	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	MSD-2	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.84	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	57.3	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	53.3	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.6	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	51.7	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	53.3	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	53.7	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	54.0	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	49.2	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	51.0	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	49.7	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	50.4	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	52.5	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	49.8	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	49.5	5.00	0.083	ug/L
78-93-3	2-Butanone	40.2	5.00	0.142	ug/L
591-78-6	2-Hexanone	43.2	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	51.7	5.00	0.120	ug/L
67-64-1	Acetone	27.6	5.00	0.193	ug/L
71-43-2	Benzene	51.3	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	52.1	5.00	0.083	ug/L
75-25-2	Bromoform	47.5	5.00	0.215	ug/L
74-83-9	Bromomethane	59.9	5.00	0.427	ug/L
75-15-0	Carbon disulfide	54.6	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	53.4	5.00	0.248	ug/L
108-90-7	Chlorobenzene	50.4	5.00	0.083	ug/L
75-00-3	Chloroethane	52.0	5.00	0.235	ug/L
67-66-3	Chloroform	49.8	5.00	0.155	ug/L
74-87-3	Chloromethane	49.3	5.00	0.144	ug/L
110-82-7	Cyclohexane	57.2	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	51.6	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	49.8	5.00	0.145	ug/L
100-41-4	Ethylbenzene	50.3	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	53.1	5.00	0.130	ug/L
79-20-9	Methyl Acetate	50.3	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	54.5	5.00	0.143	ug/L
75-09-2	Methylene chloride	49.5	5.00	0.149	ug/L
100-42-5	Styrene	53.5	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	50.2	5.00	0.193	ug/L
108-88-3	Toluene	50.4	5.00	0.122	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	50.5	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	56.0	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	53.7	5.00	0.158	ug/L
108-05-4	Vinyl acetate	61.0	5.00	0.151	ug/L
75-01-4	Vinyl chloride	53.1	5.00	0.127	ug/L
1330-20-7	Xylene (total)	156	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	53.0	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.9	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	104	10.0	0.123	ug/L
95-47-6	o-Xylene	52.6	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	51.1	5.00	0.078	ug/L
156-60-5	trans-1,2-Dichloroethene	53.7	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	53.1	5.00	0.128	ug/L

SM 4500-S2 F Sulfide Water

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	25.4	2.00	2.00	mg/L

SW-846 9056A Inorganic Anions

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	34.2	2.00	0.500	mg/L
14808-79-8	Sulfate	39.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:11	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.18J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.202J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.54J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.5**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.04J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:11	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.6	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.9	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:20	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.4	ug/L	58	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 02:22	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.72J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150601	**DPMW-4S**	Water	03/14/2014 09:37	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:22	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.94**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:04	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.23**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**13.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:32	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.876J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**1.19J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.32J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:32	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.5	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:27	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.5	ug/L	68	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 02:47	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150602	**DPMW-1S**	Water	03/14/2014 11:37	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 12:40	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.70**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:22	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.02**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**28.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:53	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.335J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**2.45J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.623J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**36.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**8.61**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.54**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 00:53	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.6	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:33	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:09	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.75J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:39	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.4**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**7.13**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150603	**DPMW-2I**	Water	03/14/2014 10:40	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:39	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**25.8**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:14	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.40J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**20.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.66**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:14	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	49.3	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:39	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.5	ug/L	63	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:31	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	ND	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150604	**DPMW-2S**	Water	03/14/2014 12:30	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.93**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.159J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 17:57	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**11.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:35	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**2.45J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.37J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.613J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**37.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**8.58**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**5.70**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:35	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49.8	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:46	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26.4	ug/L	65	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 03:54	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.30J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**35.2**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**7.06**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150605	**DUP-2**	Water	03/14/2014 12:00	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:15	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**26.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:56	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.22J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.92J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.21J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.208J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 01:56	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.3	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	50.4	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.3	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.8	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:52	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.5	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 04:16	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150606	**SMFDR-2**	Water	03/14/2014 12:23	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 13:50	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.63**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:32	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**30.7**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**26.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 19:34	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.727J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.229J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.07J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 19:34	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.2	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.3	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 14:59	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.4	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 04:39	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.1**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150607	**MPMW-15**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:08	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.633**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 18:50	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.8**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**14.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 21:41	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**54.3**	**5.00**	**0.123**	**ug/L**
79-34-5	**1,1,2,2-Tetrachloroethane**	**51.9**	**5.00**	**0.109**	**ug/L**
79-00-5	**1,1,2-Trichloroethane**	**50.5**	**5.00**	**0.159**	**ug/L**
75-34-3	**1,1-Dichloroethane**	**54.6**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**55.2**	**5.00**	**0.208**	**ug/L**
120-82-1	**1,2,4-Trichlorobenzene**	**47.3**	**5.00**	**0.105**	**ug/L**
96-12-8	**1,2-Dibromo-3-chloropropane**	**50.1**	**5.00**	**0.194**	**ug/L**
106-93-4	**1,2-Dibromoethane**	**49.3**	**5.00**	**0.102**	**ug/L**
95-50-1	**1,2-Dichlorobenzene**	**49.0**	**5.00**	**0.135**	**ug/L**
107-06-2	**1,2-Dichloroethane**	**50.8**	**5.00**	**0.116**	**ug/L**
78-87-5	**1,2-Dichloropropane**	**53.4**	**5.00**	**0.150**	**ug/L**
541-73-1	**1,3-Dichlorobenzene**	**49.9**	**5.00**	**0.138**	**ug/L**
106-46-7	**1,4-Dichlorobenzene**	**48.7**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**39.6**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**42.7**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**50.4**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**27.8**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**52.1**	**5.00**	**0.111**	**ug/L**
75-27-4	**Bromodichloromethane**	**52.0**	**5.00**	**0.083**	**ug/L**
75-25-2	**Bromoform**	**45.4**	**5.00**	**0.215**	**ug/L**
74-83-9	**Bromomethane**	**46.8**	**5.00**	**0.427**	**ug/L**
75-15-0	**Carbon disulfide**	**55.5**	**5.00**	**0.190**	**ug/L**
56-23-5	**Carbon tetrachloride**	**55.9**	**5.00**	**0.248**	**ug/L**
108-90-7	**Chlorobenzene**	**50.5**	**5.00**	**0.083**	**ug/L**
75-00-3	**Chloroethane**	**53.2**	**5.00**	**0.235**	**ug/L**
67-66-3	**Chloroform**	**51.5**	**5.00**	**0.155**	**ug/L**
74-87-3	**Chloromethane**	**44.3**	**5.00**	**0.144**	**ug/L**
110-82-7	**Cyclohexane**	**57.3**	**5.00**	**0.337**	**ug/L**
124-48-1	**Dibromochloromethane**	**50.6**	**5.00**	**0.054**	**ug/L**
75-71-8	**Dichlorodifluoromethane**	**51.4**	**5.00**	**0.145**	**ug/L**
100-41-4	**Ethylbenzene**	**51.4**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**53.1**	**5.00**	**0.130**	**ug/L**
79-20-9	**Methyl Acetate**	**50.1**	**5.00**	**0.159**	**ug/L**
108-87-2	**Methylcyclohexane**	**56.7**	**5.00**	**0.143**	**ug/L**
75-09-2	**Methylene chloride**	**50.9**	**5.00**	**0.149**	**ug/L**
100-42-5	**Styrene**	**52.8**	**5.00**	**0.089**	**ug/L**
127-18-4	**Tetrachloroethene**	**50.5**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**50.1**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**51.1**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**56.6**	**5.00**	**0.157**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**55.9**	**5.00**	**0.158**	**ug/L**
108-05-4	**Vinyl acetate**	**62.2**	**5.00**	**0.151**	**ug/L**
75-01-4	**Vinyl chloride**	**53.4**	**5.00**	**0.127**	**ug/L**
1330-20-7	**Xylene (total)**	**156**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**53.7**	**5.00**	**0.103**	**ug/L**
10061-01-5	**cis-1,3-Dichloropropene**	**53.2**	**5.00**	**0.124**	**ug/L**
136777-61-2	**m,p-Xylene**	**103**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**52.4**	**5.00**	**0.055**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**51.0**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 21:41	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**54.7**	**5.00**	**0.077**	**ug/L**
10061-02-6	**trans-1,3-Dichloropropene**	**52.9**	**5.00**	**0.128**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.8	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

RSK 175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:05	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.37**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.48**	**1.00**	**0.071**	**ug/L**
74-82-8	**Methane**	**17.3**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	26	ug/L	64	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 05:04	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**57.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F Sulfide Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**25.2**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150608	**MS-2**	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:26	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.81**	**0.200**	**0.050**	**mg/L**

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 19:43	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**38.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 22:02	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	**1,1,1-Trichloroethane**	**53.3**	**5.00**	**0.123**	**ug/L**
79-34-5	**1,1,2,2-Tetrachloroethane**	**50.6**	**5.00**	**0.109**	**ug/L**
79-00-5	**1,1,2-Trichloroethane**	**51.7**	**5.00**	**0.159**	**ug/L**
75-34-3	**1,1-Dichloroethane**	**53.3**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**53.7**	**5.00**	**0.208**	**ug/L**
120-82-1	**1,2,4-Trichlorobenzene**	**54.0**	**5.00**	**0.105**	**ug/L**
96-12-8	**1,2-Dibromo-3-chloropropane**	**49.2**	**5.00**	**0.194**	**ug/L**
106-93-4	**1,2-Dibromoethane**	**51.0**	**5.00**	**0.102**	**ug/L**
95-50-1	**1,2-Dichlorobenzene**	**49.7**	**5.00**	**0.135**	**ug/L**
107-06-2	**1,2-Dichloroethane**	**50.4**	**5.00**	**0.116**	**ug/L**
78-87-5	**1,2-Dichloropropane**	**52.5**	**5.00**	**0.150**	**ug/L**
541-73-1	**1,3-Dichlorobenzene**	**49.8**	**5.00**	**0.138**	**ug/L**
106-46-7	**1,4-Dichlorobenzene**	**49.5**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**40.2**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**43.2**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**51.7**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**27.6**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**51.3**	**5.00**	**0.111**	**ug/L**
75-27-4	**Bromodichloromethane**	**52.1**	**5.00**	**0.083**	**ug/L**
75-25-2	**Bromoform**	**47.5**	**5.00**	**0.215**	**ug/L**
74-83-9	**Bromomethane**	**59.9**	**5.00**	**0.427**	**ug/L**
75-15-0	**Carbon disulfide**	**54.6**	**5.00**	**0.190**	**ug/L**
56-23-5	**Carbon tetrachloride**	**53.4**	**5.00**	**0.248**	**ug/L**
108-90-7	**Chlorobenzene**	**50.4**	**5.00**	**0.083**	**ug/L**
75-00-3	**Chloroethane**	**52.0**	**5.00**	**0.235**	**ug/L**
67-66-3	**Chloroform**	**49.8**	**5.00**	**0.155**	**ug/L**
74-87-3	**Chloromethane**	**49.3**	**5.00**	**0.144**	**ug/L**
110-82-7	**Cyclohexane**	**57.2**	**5.00**	**0.337**	**ug/L**
124-48-1	**Dibromochloromethane**	**51.6**	**5.00**	**0.054**	**ug/L**
75-71-8	**Dichlorodifluoromethane**	**49.8**	**5.00**	**0.145**	**ug/L**
100-41-4	**Ethylbenzene**	**50.3**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**53.1**	**5.00**	**0.130**	**ug/L**
79-20-9	**Methyl Acetate**	**50.3**	**5.00**	**0.159**	**ug/L**
108-87-2	**Methylcyclohexane**	**54.5**	**5.00**	**0.143**	**ug/L**
75-09-2	**Methylene chloride**	**49.5**	**5.00**	**0.149**	**ug/L**
100-42-5	**Styrene**	**53.5**	**5.00**	**0.089**	**ug/L**
127-18-4	**Tetrachloroethene**	**50.2**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**50.4**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**50.5**	**5.00**	**0.161**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**56.0**	**5.00**	**0.157**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**53.7**	**5.00**	**0.158**	**ug/L**
108-05-4	**Vinyl acetate**	**61.0**	**5.00**	**0.151**	**ug/L**
75-01-4	**Vinyl chloride**	**53.1**	**5.00**	**0.127**	**ug/L**
1330-20-7	**Xylene (total)**	**156**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**53.0**	**5.00**	**0.103**	**ug/L**
10061-01-5	**cis-1,3-Dichloropropene**	**52.9**	**5.00**	**0.124**	**ug/L**
136777-61-2	**m,p-Xylene**	**104**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**52.6**	**5.00**	**0.055**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**51.1**	**5.00**	**0.078**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 22:02	CLH	527958

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	**trans-1,2-Dichloroethene**	**53.7**	**5.00**	**0.077**	**ug/L**
10061-02-6	**trans-1,3-Dichloropropene**	**53.1**	**5.00**	**0.128**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	48.9	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	49.4	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49	ug/L	98	71 - 127

RSK 175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:10	JAR	528337

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**3.15**	**1.00**	**0.087**	**ug/L**
74-85-1	**Ethene**	**3.50**	**1.00**	**0.071**	**ug/L**
74-82-8	**Methane**	**16.3**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	23.9	ug/L	59	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 05:27	KLC2	527676

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**57.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F Sulfide Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/17/2014 17:50	DMT	527752

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**25.4**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403150609	**MSD-2**	Water	03/14/2014 09:25	03/15/2014 09:40

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/15/2014 14:43	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.84**	**0.200**	**0.050**	**mg/L**

SW-846 9056A Inorganic Anions

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/15/2014 20:00	AEL	527631

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**34.2**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**39.0**	**2.00**	**0.500**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MB527958	LCS527958	LCSD527958
Prep Batch N/A	**GCAL ID**	1294539	1294540	1294541
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/19/2014 18:52	03/19/2014 17:10	03/19/2014 17:49
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	54.1	108	44 - 156	50.6	101	7	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.5	103	74 - 125	53.1	106	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.8	98	64 - 122	49.1	98	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	63.1	126	47 - 138	68.1	136	8	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	50.0	100	69 - 136	58.5	117	16	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	49.8	100	76 - 128	56.2	112	12	30
75-00-3	Chloroethane	0.235U	0.235	50.0	49.2	98	62 - 141	54.0	108	9	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	100	100	74 - 126	114	114	13	30
67-66-3	Chloroform	0.155U	0.155	50.0	49.5	99	75 - 122	52.0	104	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	48.6	97	59 - 132	55.2	110	13	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	53.1	106	71 - 123	52.5	105	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	44.4	89	58 - 140	50.7	101	13	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	51.9	104	74 - 127	54.8	110	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.7	103	71 - 129	51.3	103	1	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	51.5	103	73 - 130	54.0	108	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	50.7	101	69 - 132	56.2	112	10	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	50.2	100	68 - 132	51.2	102	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	52.0	104	72 - 128	54.7	109	5	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	53.6	107	71 - 132	54.9	110	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	54.2	108	71 - 131	55.6	111	3	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	48.8	98	74 - 126	55.6	111	13	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	59.3	119	50 - 135	54.2	108	9	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.3	103	71 - 125	61.0	122	17	30
78-93-3	2-Butanone	0.142U	0.142	50.0	57.1	114	58 - 137	53.5	107	7	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	59.3	119	57 - 132	55.2	110	7	30
100-42-5	Styrene	0.089U	0.089	50.0	52.9	106	71 - 127	57.8	116	9	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.0	94	68 - 128	55.1	110	16	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	52.4	105	70 - 122	48.4	97	8	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	58.6	117	61 - 135	66.1	132	12	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	49.6	99	76 - 126	55.4	111	11	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	52.8	106	72 - 121	52.0	104	2	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.2	100	72 - 136	56.4	113	12	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	49.7	99	68 - 132	56.1	112	12	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MB527958	LCS527958	LCSD527958
Prep Batch N/A	**GCAL ID**	1294539	1294540	1294541
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/19/2014 18:52	03/19/2014 17:10	03/19/2014 17:49
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.9	102	73 - 130	58.3	117	14	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	56.8	114	57 - 121	50.7	101	11	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	53.0	106	70 - 124	51.9	104	2	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	78.2	**156***	54 - 147	69.0	138	13	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	53.8	108	71 - 125	52.4	105	3	30
1330-20-7	Xylene (total)	0.179U	0.179	150	151	101	74 - 127	172	115	13	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	49.0	98	67 - 138	63.2	126	25	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	50.7	101	69 - 132	64.2	128	23	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	57.8	116	57 - 139	54.1	108	7	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	49.6	99	72 - 136	58.6	117	17	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	70.0	**140***	56 - 124	68.8	**138***	2	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	48.9	98	74 - 126	52.7	105	7	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	49.1	98	72 - 122	52.6	105	7	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	50.9	102	71 - 126	53.6	107	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	49.4	99	69 - 129	55.6	111	12	20
71-43-2	Benzene	0.111U	0.111	50.0	50.0	100	70 - 129	52.8	106	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.5	99	76 - 129	53.2	106	7	20
108-88-3	Toluene	0.122U	0.122	50.0	48.7	97	72 - 120	52.2	104	7	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.9	100	74 - 123	53.4	107	7	20
Surrogate											
460-00-4	4-Bromofluorobenzene	48	96	50	50.2	100	78 - 130	50.3	101		
1868-53-7	Dibromofluoromethane	49.1	98	50	49.8	100	77 - 127	48.7	97		
2037-26-5	Toluene d8	50.3	101	50	49.9	100	76 - 134	49.2	98		
17060-07-0	1,2-Dichloroethane-d4	51	102	50	51.2	102	71 - 127	50	100		

GC/MS Volatiles Quality Control Summary

Analytical Batch 527958	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch N/A	**GCAL ID**	21403150607	21403150608	21403150609
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/19/2014 19:34	03/19/2014 21:41	03/19/2014 22:02
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
71-55-6	1,1,1-Trichloroethane	0.00	0.123	50.0	54.3	109	76 - 126	53.3	107	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.109	50.0	51.9	104	70 - 122	50.6	101	3	30
79-00-5	1,1,2-Trichloroethane	0.00	0.159	50.0	50.5	101	72 - 121	51.7	103	2	30
75-34-3	1,1-Dichloroethane	0.00	0.171	50.0	54.6	109	74 - 127	53.3	107	2	30
75-35-4	1,1-Dichloroethene	0.00	0.208	50.0	55.2	110	69 - 129	53.7	107	3	20
120-82-1	1,2,4-Trichlorobenzene	0.00	0.105	50.0	47.3	95	61 - 135	54.0	108	13	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	0.194	50.0	50.1	100	57 - 121	49.2	98	2	30
106-93-4	1,2-Dibromoethane	0.00	0.102	50.0	49.3	99	70 - 124	51.0	102	3	30
95-50-1	1,2-Dichlorobenzene	0.00	0.135	50.0	49.0	98	71 - 126	49.7	99	1	30
107-06-2	1,2-Dichloroethane	0.00	0.116	50.0	50.8	102	71 - 129	50.4	101	1	30
78-87-5	1,2-Dichloropropane	0.00	0.150	50.0	53.4	107	72 - 128	52.5	105	2	30
541-73-1	1,3-Dichlorobenzene	0.00	0.138	50.0	49.9	100	74 - 126	49.8	100	0	30
106-46-7	1,4-Dichlorobenzene	0.00	0.083	50.0	48.7	97	72 - 122	49.5	99	2	30
78-93-3	2-Butanone	0.00	0.142	50.0	39.6	79	58 - 137	40.2	80	2	30
110-75-8	2-Chloroethylvinyl ether	0.00	0.146	50.0	0.00	**0***	56 - 124	0.00	**0***	0	30
591-78-6	2-Hexanone	0.00	0.122	50.0	42.7	85	50 - 135	43.2	86	1	30
108-10-1	4-Methyl-2-pentanone	0.00	0.120	50.0	50.4	101	57 - 132	51.7	103	3	30
67-64-1	Acetone	0.727	0.193	50.0	27.8	54	44 - 156	27.6	54	1	30
71-43-2	Benzene	0.00	0.111	50.0	52.1	104	70 - 129	51.3	103	2	20
75-27-4	Bromodichloromethane	0.00	0.083	50.0	52.0	104	74 - 125	52.1	104	0	30
75-25-2	Bromoform	0.00	0.215	50.0	45.4	91	64 - 122	47.5	95	5	30
74-83-9	Bromomethane	0.00	0.427	50.0	46.8	94	47 - 138	59.9	120	25	30
75-15-0	Carbon disulfide	0.00	0.190	50.0	55.5	111	69 - 136	54.6	109	2	30
56-23-5	Carbon tetrachloride	0.00	0.248	50.0	55.9	112	76 - 128	53.4	107	5	30
108-90-7	Chlorobenzene	0.00	0.083	50.0	50.5	101	74 - 123	50.4	101	0	20
75-00-3	Chloroethane	0.00	0.235	50.0	53.2	106	62 - 141	52.0	104	2	30
67-66-3	Chloroform	0.229	0.155	50.0	51.5	103	75 - 122	49.8	99	3	30
74-87-3	Chloromethane	0.00	0.144	50.0	44.3	89	59 - 132	49.3	99	11	30
110-82-7	Cyclohexane	0.00	0.337	50.0	57.3	115	69 - 132	57.2	114	0	30
124-48-1	Dibromochloromethane	0.00	0.054	50.0	50.6	101	71 - 123	51.6	103	2	30
75-71-8	Dichlorodifluoromethane	0.00	0.145	50.0	51.4	103	58 - 140	49.8	100	3	30
100-41-4	Ethylbenzene	0.00	0.109	50.0	51.4	103	74 - 126	50.3	101	2	30
98-82-8	Isopropylbenzene (Cumene)	0.00	0.130	50.0	53.1	106	71 - 125	53.1	106	0	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	527958	**Client ID**	MPMW-15		MS-2				MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607		21403150608				21403150609			
		Sample Type	SAMPLE		MS				MSD			
		Analytical Date	03/19/2014 19:34		03/19/2014 21:41				03/19/2014 22:02			
		Matrix	Water		Water				Water			
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**	**RPD**	**Limit**
79-20-9	Methyl Acetate	0.00	0.159	50.0	50.1	100	57 -	139	50.3	101	0	30
108-87-2	Methylcyclohexane	0.00	0.143	50.0	56.7	113	67 -	138	54.5	109	4	30
75-09-2	Methylene chloride	0.00	0.149	50.0	50.9	102	68 -	132	49.5	99	3	30
100-42-5	Styrene	0.00	0.089	50.0	52.8	106	71 -	127	53.5	107	1	30
127-18-4	Tetrachloroethene	1.07	0.193	50.0	50.5	99	68 -	128	50.2	98	1	30
108-88-3	Toluene	0.00	0.122	50.0	50.1	100	72 -	120	50.4	101	1	20
79-01-6	Trichloroethene	0.00	0.161	50.0	51.1	102	76 -	129	50.5	101	1	20
75-69-4	Trichlorofluoromethane	0.00	0.157	50.0	56.6	113	72 -	136	56.0	112	1	30
76-13-1	Trichlorotrifluoroethane	0.00	0.158	50.0	55.9	112	72 -	136	53.7	107	4	30
108-05-4	Vinyl acetate	0.00	0.151	50.0	62.2	124	54 -	147	61.0	122	2	30
75-01-4	Vinyl chloride	0.00	0.127	50.0	53.4	107	68 -	132	53.1	106	1	30
1330-20-7	Xylene (total)	0.00	0.179	150	156	104	74 -	127	156	104	0	30
156-59-2	cis-1,2-Dichloroethene	0.00	0.103	50.0	53.7	107	73 -	130	53.0	106	1	30
10061-01-5	cis-1,3-Dichloropropene	0.00	0.124	50.0	53.2	106	71 -	132	52.9	106	1	30
136777-61-2	m,p-Xylene	0.00	0.123	100	103	103	74 -	126	104	104	1	30
95-47-6	o-Xylene	0.00	0.055	50.0	52.4	105	73 -	130	52.6	105	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.078	50.0	51.0	102	71 -	125	51.1	102	0	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.077	50.0	54.7	109	69 -	132	53.7	107	2	30
10061-02-6	trans-1,3-Dichloropropene	0.00	0.128	50.0	52.9	106	71 -	131	53.1	106	0	30
Surrogate												
460-00-4	4-Bromofluorobenzene	48.2	96	50	48.8	98	78 -	130	48.9	98		
1868-53-7	Dibromofluoromethane	49.5	99	50	48.9	98	77 -	127	48.9	98		
2037-26-5	Toluene d8	49.8	100	50	50	100	76 -	134	49.4	99		
17060-07-0	1,2-Dichloroethane-d4	51.3	103	50	50.2	100	71 -	127	49	98		

General Chromatography Quality Control Summary

Analytical Batch	528337	**Client ID**	MB528337	LCS528337	
Prep Batch	N/A	**GCAL ID**	1296462	1296463	
		Sample Type	Method Blank	LCS	
		Analytical Date	03/25/2014 10:50	03/25/2014 10:58	
		Matrix	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
74-82-8	Methane	0.435U	0.435	17.5	16.9	97	39 - 120
74-85-1	Ethene	0.071U	0.071	3.06	3.09	101	45 - 134
74-84-0	Ethane	0.087U	0.087	3.28	3.26	99	45 - 128
Surrogate							
115-07-1	Propene	28.7	71	40.5	26.1	64	40 - 143

Analytical Batch	528337	**Client ID**	MPMW-15	MS-2	MSD-2
Prep Batch	N/A	**GCAL ID**	21403150607	21403150608	21403150609
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	03/25/2014 14:59	03/25/2014 15:05	03/25/2014 15:10
		Matrix	Water	Water	Water

RSK 175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-84-0	Ethane	0.00	0.087	3.28	3.37	103	45 - 128	3.15	96	7	29
74-85-1	Ethene	0.00	0.071	3.06	3.48	114	45 - 134	3.50	114	1	25
74-82-8	Methane	0.00	0.435	17.5	17.3	99	39 - 120	16.3	93	6	27
Surrogate											
115-07-1	Propene	30.4	75	40.5	26	64	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch	527676	**Client ID**	MB527676			LCS527676		
Prep Batch	N/A	**GCAL ID**	1293224			1293225		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/16/2014 18:07			03/16/2014 17:29		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.6	101	80 - 120	

Analytical Batch	527676	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/17/2014 04:39			03/17/2014 05:04			03/17/2014 05:27			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	2.1	0.30	50.0	57.3	110	75 - 125	57.3	110	0	25	

General Chemistry Quality Control Summary

Analytical Batch 527752	**Client ID**	MB527752			LCS527752			
Prep Batch N/A	**GCAL ID**	1293506			1293507			
	Sample Type	Method Blank			LCS			
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50			
	Matrix	Water			Water			
SM 4500-S2 F-2011	**Units**	mg/L		**Spike**	**Result**		**Control**	
	Result	**RDL**		**Added**		**% R**	**Limits % R**	
18496-25-8 Sulfide	2.00U	2.00		25.0	25.8	103	80 - 120	

Analytical Batch 527752	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch N/A	**GCAL ID**	21403150607			21403150608			21403150609			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/17/2014 17:50			03/17/2014 17:50			03/17/2014 17:50			
	Matrix	Water			Water			Water			
SM 4500-S2 F Sulfide Water	**Units**	mg/L		**Spike**	**Result**		**Control**	**Result**			**RPD**
	Result	**RDL**		**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18496-25-8 Sulfide	0.000	2.00		25.0	25.2	101	75 - 125	25.4	102	1	25

General Chemistry Quality Control Summary

Analytical Batch	527631	**Client ID**	MB527631			LCS527631		
Prep Batch	N/A	**GCAL ID**	1293065			1293066		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/15/2014 11:30			03/15/2014 11:47		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.28	91	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.30	92	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.44	98	80 - 120	

Analytical Batch	527631	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/15/2014 14:08			03/15/2014 14:26			03/15/2014 14:43			
		Matrix	Water			Water			Water			
SW-846 9056A Inorganic Anions		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	0.633	0.050	2.50	2.81	87	80 - 120	2.84	88	1	15	

Analytical Batch	527631	**Client ID**	MPMW-15			MS-2			MSD-2			
Prep Batch	N/A	**GCAL ID**	21403150607			21403150608			21403150609			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/15/2014 18:50			03/15/2014 19:43			03/15/2014 20:00			
		Matrix	Water			Water			Water			
SW-846 9056A Inorganic Anions		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.8	0.500	25.0	34.1	85	80 - 120	34.2	86	0	15	
14808-79-8	Sulfate	14.7	0.500	25.0	38.9	97	80 - 120	39.0	97	0	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECO

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031506
Due Date: 03/25/14

Report to:	**Bill to:**
Client: AMEC E+I	Client:
Address: 396 Plasters Ave NE Atlanta, GA	Address:
Contact: Daniel Morris	Contact: See Work Order
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.0 to 2.4

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris, Tela Noriskis, Mark Andrews

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (2)	Methane, Ethane, Ethene 25 mL (2)	Chloride, Sulfate (1)	*NITRATE* 50 mL (1)	Sulfide 50 mL (1)	Preservative	
W	3/14/14	0937		X	DPMW-4S								Please log as "DPMW-4S"	1
		1137			DPMW-1S								Please log as "DPMW-1S"	2
		1040			DPMW-2I									3
		1230			DPMW-2S									4
		1200			DUP-2									5
		1223			EMPTY-2									6
		0925			MPMW-1S									7
		0925			MS-2									8
		0925			MSD-2									9

Air Bill No: 7982-2752-6265

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☐ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/14/14	1250	Hugo Anez	03/14/14	12:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/15/14	0815		3/15/14	0845

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031506

SAMPLE DELIVERY GROUP 214031506	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Brown, Aaron D.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/15/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☐	☑	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7982 2752 6265		1.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/31/2014

GCAL Report 214031911

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214031911

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528156, the %D/%Drift is outside ± 40% for Vinyl Acetate in the CCV. The response is high and this analyte was not detected in the associated samples. The LCS and/or LCSD recoveries are above the upper control limit for Vinyl acetate and 2-Chloroethylvinyl ether. These compounds were not detected in the associated samples. The LCS/LCSD exhibited RPD failures.

CONVENTIONALS

In the EPA 9056A analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

For Sample 21403191101 (DPMW-3I), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214031911

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	DPMW-3I	Water	03/18/2014 09:35	03/19/2014 10:20
21403191102	DPMW-3S	Water	03/18/2014 11:00	03/19/2014 10:20
21403191103	SMFMW-13	Water	03/18/2014 13:40	03/19/2014 10:20
21403191104	SMFMW-3	Water	03/18/2014 10:55	03/19/2014 10:20
21403191105	SMFMW-1D	Water	03/18/2014 12:12	03/19/2014 10:20
21403191106	SMFMW-4	Water	03/18/2014 13:48	03/19/2014 10:20
21403191107	TRIP BLANK	Water	03/18/2014 09:35	03/19/2014 10:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	DPMW-3I	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.86	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	1.15J	5.00	0.208	ug/L
67-66-3	Chloroform	0.425J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	16.5	5.00	0.193	ug/L
79-01-6	Trichloroethene	6.07	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	3.32J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00	2.00	2.00	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	19.7	4.00	1.00	mg/L
14808-79-8	Sulfate	62.0	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	DPMW-3S	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.37	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.95J	1.0	0.30	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	0.505J	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.775J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	32.9	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.60J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.58J	5.00	0.103	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.4	4.00	1.00	mg/L
14808-79-8	Sulfate	79.8	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	2.26	0.200	0.050	mg/L
14797-55-8	Nitrate	0.465	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	2.65J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	13.2	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	SMFMW-3	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.0	4.00	1.00	mg/L
14797-55-8	Nitrate	14.5	4.00	1.00	mg/L
14808-79-8	Sulfate	7.67	4.00	1.00	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.2	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-27-4	Bromodichloromethane	0.322J	5.00	0.083	ug/L
67-66-3	Chloroform	3.45J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	54.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.16	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.274J	5.00	0.103	ug/L

SM 4500-S2 F-2011

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.40	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	SMFMW-1D	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.67	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.3	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.584J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	1.11J	5.00	0.208	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.436J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	1.67J	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.13J	5.00	0.161	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	22.9	4.00	1.00	mg/L
14808-79-8	Sulfate	23.1	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.071J	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	4.29J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.78J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	5.48	2.00	0.500	mg/L
14808-79-8	Sulfate	40.6	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:26	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	**1,1-Dichloroethene**	**1.15J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.425J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**16.5**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**6.07**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.32J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:26	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.9	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:41	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	39	ug/L	96	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:12	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.00**	**2.00**	**2.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191101	**DPMW-3I**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 15:12	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.86**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/19/2014 23:02	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**19.7**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**62.0**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:48	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.775J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**32.9**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.60J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.58J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 19:48	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	49	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:46	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**0.505J**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.3	ug/L	70	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:34	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.95J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191102	**DPMW-3S**	Water	03/18/2014 11:00	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:04	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.37**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/19/2014 23:54	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.4**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**79.8**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:09	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.65J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:09	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.6	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.4	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:52	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	25.8	ug/L	64	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 00:56	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191103	**SMFMW-13**	Water	03/18/2014 13:40	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:22	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**2.26**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.465**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/20/2014 00:12	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**13.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:30	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.322J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**3.45J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**54.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.16**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.274J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:30	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.1	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 22:58	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 02:27	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.2**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	**Sulfide**	**2.40**	**2.00**	**2.00**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 00:29	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.0**	**4.00**	**1.00**	**mg/L**
14797-55-8	**Nitrate**	**14.5**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191104	**SMFMW-3**	Water	03/18/2014 10:55	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 00:29	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**7.67**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:51	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.584J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**1.11J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.436J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.67J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.13J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 20:51	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.7	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 23:04	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	22.9	ug/L	57	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 02:49	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191105	**SMFMW-1D**	Water	03/18/2014 12:12	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 16:57	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.67**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/20/2014 01:22	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**22.9**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**23.1**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:12	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.29J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:12	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.7	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.1	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 23:10	JAR	528707

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.5	ug/L	80	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 03:15	KLC2	528021

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.78J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191106	**SMFMW-4**	Water	03/18/2014 13:48	03/19/2014 10:20

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/19/2014 17:14	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.071J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/20/2014 01:39	DMT	527928

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**5.48**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**40.6**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:33	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403191107	**TRIP BLANK**	Water	03/18/2014 09:35	03/19/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/21/2014 21:33	KRH	528156

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.5	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528156	**Client ID**	MB528156	LCS528156	LCSD528156
Prep Batch N/A	**GCAL ID**	1295627	1295628	1295629
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/21/2014 18:23	03/21/2014 16:22	03/21/2014 17:20
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	52.7	105	44 - 156	48.8	98	8	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	53.1	106	74 - 125	46.4	93	13	30
75-25-2	Bromoform	0.215U	0.215	50.0	52.5	105	64 - 122	47.4	95	10	30
74-83-9	Bromomethane	0.427U	0.427	50.0	51.3	103	47 - 138	41.3	83	22	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	54.1	108	69 - 136	41.4	83	27	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.7	105	76 - 128	39.3	79	29	30
75-00-3	Chloroethane	0.235U	0.235	50.0	52.2	104	62 - 141	39.1	78	29	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	107	107	74 - 126	87.9	88	20	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.3	101	75 - 122	42.9	86	16	30
74-87-3	Chloromethane	0.144U	0.144	50.0	51.8	104	59 - 132	40.9	82	24	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	56.3	113	71 - 123	49.2	98	13	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	51.5	103	58 - 140	36.1	72	**35***	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	52.9	106	74 - 127	42.2	84	23	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	53.0	106	71 - 129	48.2	96	9	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	56.3	113	73 - 130	46.6	93	19	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	51.8	104	69 - 132	40.6	81	24	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	50.4	101	68 - 132	44.2	88	13	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.6	107	72 - 128	45.7	91	16	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	55.5	111	71 - 132	48.2	96	14	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	55.2	110	71 - 131	49.3	99	11	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	54.7	109	74 - 126	44.4	89	21	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	62.2	124	50 - 135	54.0	108	14	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	55.2	110	71 - 125	45.7	91	19	30
78-93-3	2-Butanone	0.142U	0.142	50.0	57.6	115	58 - 137	51.6	103	11	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	60.7	121	57 - 132	53.4	107	13	30
100-42-5	Styrene	0.089U	0.089	50.0	57.4	115	71 - 127	48.2	96	17	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	51.8	104	68 - 128	40.5	81	24	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	56.4	113	70 - 122	48.3	97	15	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	61.0	122	61 - 135	52.6	105	15	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	52.7	105	76 - 126	39.5	79	29	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	54.4	109	72 - 121	49.1	98	10	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	53.3	107	72 - 136	36.4	73	**38***	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	54.2	108	68 - 132	38.5	77	**34***	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528156	**Client ID**	MB528156			LCS528156				LCSD528156		
Prep Batch	N/A	**GCAL ID**	1295627			1295628				1295629		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/21/2014 18:23			03/21/2014 16:22				03/21/2014 17:20		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	54.3	109	73 - 130		47.0	94	14	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	60.2	120	57 - 121		53.4	107	12	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	56.4	113	70 - 124		50.4	101	11	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	84.1	**168***	54 - 147		62.9	126	29	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	55.3	111	71 - 125		50.5	101	9	30
1330-20-7	Xylene (total)	0.179U	0.179	150	161	107	74 - 127		135	90	18	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	54.6	109	67 - 138		43.8	88	22	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.9	106	69 - 132		41.6	83	24	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	54.7	109	57 - 139		50.0	100	9	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.0	104	72 - 136		39.0	78	29	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	68.6	**137***	56 - 124		68.8	**138***	0	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.9	106	74 - 126		47.0	94	12	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.7	103	72 - 122		46.0	92	12	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.5	105	71 - 126		47.7	95	10	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	53.6	107	69 - 129		38.6	77	**33***	20
71-43-2	Benzene	0.111U	0.111	50.0	52.9	106	70 - 129		42.5	85	**22***	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.1	106	76 - 129		42.9	86	**21***	20
108-88-3	Toluene	0.122U	0.122	50.0	53.6	107	72 - 120		42.7	85	**23***	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.6	105	74 - 123		44.1	88	18	20
Surrogate												
460-00-4	4-Bromofluorobenzene	49.1	98	50	50.1	100	78 - 130		51.1	102		
1868-53-7	Dibromofluoromethane	49.3	99	50	49.6	99	77 - 127		48.8	98		
2037-26-5	Toluene d8	50.2	100	50	50	100	76 - 134		49.6	99		
17060-07-0	1,2-Dichloroethane-d4	50	100	50	48.4	97	71 - 127		49.7	99		

General Chromatography Quality Control Summary

Analytical Batch	528707	**Client ID**	MB528707	LCS528707	LCSD528707
Prep Batch	N/A	**GCAL ID**	1298443	1298444	1298445
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	03/28/2014 22:21	03/28/2014 22:28	03/28/2014 22:34
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-82-8	Methane	0.435U	0.435	17.5	13.7	78	39 - 120	14.4	82	5	27
74-85-1	Ethene	0.071U	0.071	3.06	2.66	87	45 - 134	2.71	89	2	25
74-84-0	Ethane	0.087U	0.087	3.28	2.77	84	45 - 128	2.91	89	5	29
Surrogate											
115-07-1	Propene	23.4	58	40.5	22.6	56	40 - 143	23.9	59		

General Chemistry Quality Control Summary

Analytical Batch	528021	**Client ID**	MB528021			LCS528021		
Prep Batch	N/A	**GCAL ID**	1294828			1294829		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/20/2014 15:14			03/20/2014 14:28		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	54.0	108	80 - 120	

Analytical Batch	528021	**Client ID**	DMW-17A-150314D			1293909MS			1293909MSD			
Prep Batch	N/A	**GCAL ID**	21403183832			1294832			1294833			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/20/2014 22:10			03/20/2014 22:35			03/20/2014 22:56			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
C-012	Total Organic Carbon	3.4	0.30	50.0	57.3	108	75 - 125	56.6	106	1	25	

General Chemistry Quality Control Summary

Analytical Batch	528321	Client ID	MB528321		LCS528321		
Prep Batch	N/A	GCAL ID	1296405		1296406		
		Sample Type	Method Blank		LCS		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	25.3	101	80 - 120

Analytical Batch	528321	Client ID	SMFMW-2		1294681MS		
Prep Batch	N/A	GCAL ID	21403200802		1296898		
		Sample Type	SAMPLE		MS		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	26.1	104	75 - 125

Analytical Batch	528321	Client ID	SMFMW-4		1294185DUP		
Prep Batch	N/A	GCAL ID	21403191106		1296408		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/25/2014 12:00		03/25/2014 12:00		
		Matrix	Water		Water		
SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch	527928	**Client ID**	MB527928			LCS527928		
Prep Batch	N/A	**GCAL ID**	1294257			1294258		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/19/2014 14:37			03/19/2014 14:20		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.42	97	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.42	97	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.42	97	80 - 120	

Analytical Batch	527928	**Client ID**	DPMW-3I			1294166MS			1294166MSD			
Prep Batch	N/A	**GCAL ID**	21403191101			1294259			1294260			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/19/2014 23:02			03/19/2014 23:20			03/19/2014 23:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	19.7	1.00	50.0	70.3	101	80 - 120	69.9	100	1	15	
14808-79-8	Sulfate	62.0	1.00	50.0	114	104	80 - 120	113	102	1	15	

Analytical Batch	527928	**Client ID**	DPMW-3I			1294166MS			1294166MSD			
Prep Batch	N/A	**GCAL ID**	21403191101			1294259			1294260			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/19/2014 15:12			03/19/2014 15:30			03/19/2014 15:47			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
14797-55-8	Nitrate	1.86	0.050	2.50	4.64	112	80 - 120	4.61	110	1	15	

General Chemistry Quality Control Summary

Analytical Batch 527928		**Client ID**	WP003-MW-120			1294216MS			1294216MSD		
Prep Batch N/A		**GCAL ID**	21403191215			1294261			1294262		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	03/19/2014 18:59			03/19/2014 19:16			03/19/2014 19:33		
		Matrix	Water			Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	0.250	0.050	2.50	2.76	100	80 - 120	2.77	101	0	15

GCAL ANALYTICAL LABORATORIES, LLC

CHAIN OF CUSTODY RECO

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214031911
Due Date: 03/28/14

Report to:
Client: AMEC EKI
Address: 396 Plasters Ave NE
Atlanta, GA 30324
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address:
Contact: See Work Order
Phone:
E-mail:

P.O. Number

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris & Mark Andrews

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C: 3.2, 3.1, 2.3 EZL

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Methane, Ethane, Ethene	Chloride, Sulfate	*NITRATE**	Sulfide	Preservative
						3	2	2	1	1	1		←
W	03/18/14	0935		X	DPMW-3I		X	X	X	X	X	X	1
↓		1100		↓	DPMW-3S		↓	↓	↓	↓	↓	↓	2
		1340			SMFMW-13								3
		1055			SMFMW-3								4
		1212			SMFMW-1D								5
↓		1348			SMFMW-4		↓	↓	↓	↓	↓	↓	6
X		0935		↓	Trip Blank		X						7

Air Bill No: 7982 5607 6126

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/18/14	1430	HUBO AMEC	3/14/14	14:30
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/14	1020		3/19/14	1020
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214031911

SAMPLE DELIVERY GROUP 214031911	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/19/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
798256076126		3.2
		3.1
		2.3

DISCREPANCIES

21403191101 - DPMW-3I:

Sample Discrepancy

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/01/2014

GCAL Report 214032008

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032008

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, sample 21403200804 (SMFDR-3) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403200801 (SMFMW-1), 21403200802 (SMFMW-2), 21403200803 (DUP-4), 21403200804 (SMFDR-3), 21403200805 (SMFPI-1), 21403200806 (DUP-5) and 21403200807 (SMFDS-3) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032008

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	SMFMW-1	Water	03/19/2014 11:00	03/20/2014 09:25
21403200802	SMFMW-2	Water	03/19/2014 12:55	03/20/2014 09:25
21403200803	DUP-4	Water	03/19/2014 12:00	03/20/2014 09:25
21403200804	SMFDR-3	Water	03/19/2014 10:23	03/20/2014 09:25
21403200805	SMFPI-1	Water	03/19/2014 12:03	03/20/2014 09:25
21403200806	DUP-5	Water	03/19/2014 12:00	03/20/2014 09:25
21403200807	SMFDS-3	Water	03/19/2014 14:15	03/20/2014 09:25
21403200808	TRIP BLANK	Water	03/19/2014 10:23	03/20/2014 09:25

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.49	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.762J	5.00	0.193	ug/L
71-43-2	Benzene	0.130J	5.00	0.111	ug/L
67-66-3	Chloroform	0.686J	5.00	0.155	ug/L
100-41-4	Ethylbenzene	0.317J	5.00	0.109	ug/L
108-87-2	Methylcyclohexane	0.465J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	4.58J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.43J	5.00	0.161	ug/L
1330-20-7	Xylene (total)	1.21J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.515J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.761J	10.0	0.123	ug/L
95-47-6	o-Xylene	0.452J	5.00	0.055	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.7	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.3	4.00	1.00	mg/L
14808-79-8	Sulfate	26.0	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.0	2.00	0.500	mg/L
14797-55-8	Nitrate	6.84	2.00	0.500	mg/L
14808-79-8	Sulfate	28.1	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.650J	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	SMFMW-2	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	2.16J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	129	5.00	0.193	ug/L
79-01-6	Trichloroethene	23.8	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	3.21J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	DUP-4	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	1.45	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.653J	5.00	0.193	ug/L
67-66-3	Chloroform	0.687J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	4.96J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.63J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.533J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	20.1	2.00	0.500	mg/L
14808-79-8	Sulfate	27.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	SMFDR-3	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	21.7	2.00	0.500	mg/L
14797-55-8	Nitrate	10.3	2.00	0.500	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	34.2	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.746J	10.0	0.387	ug/L
127-18-4	Tetrachloroethene	260	10.0	0.385	ug/L
79-01-6	Trichloroethene	7.53J	10.0	0.323	ug/L
1330-20-7	Xylene (total)	2.83J	30.0	0.358	ug/L
156-59-2	cis-1,2-Dichloroethene	1.77J	10.0	0.207	ug/L
136777-61-2	m,p-Xylene	1.56J	20.0	0.247	ug/L
95-47-6	o-Xylene	1.27J	10.0	0.111	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	31.9	2.00	0.500	mg/L
14797-55-8	Nitrate	9.64	2.00	0.500	mg/L
14808-79-8	Sulfate	46.4	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.736J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	6.41	5.00	0.193	ug/L
156-59-2	cis-1,2-Dichloroethene	1.14J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	31.6	2.00	0.500	mg/L
14797-55-8	Nitrate	9.21	2.00	0.500	mg/L
14808-79-8	Sulfate	46.1	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.666J	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	6.38	5.00	0.193	ug/L
1330-20-7	Xylene (total)	0.214J	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	1.31J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	0.214J	10.0	0.123	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	16.9	2.00	0.500	mg/L
14797-55-8	Nitrate	13.9	2.00	0.500	mg/L
14808-79-8	Sulfate	48.7	2.00	0.500	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.66J	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.09J	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	12.6	5.00	0.193	ug/L
156-59-2	cis-1,2-Dichloroethene	2.10J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.07J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 21:50	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.762J**	**5.00**	**0.193**	**ug/L**
71-43-2	**Benzene**	**0.130J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.686J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	**Ethylbenzene**	**0.317J**	**5.00**	**0.109**	**ug/L**
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**0.465J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.58J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.43J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**1.21J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.515J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.761J**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**0.452J**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 21:50	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.4	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	46.3	ug/L	93	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	39.9	ug/L	80	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:41	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.9	ug/L	89	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:03	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.7**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200801	**SMFMW-1**	Water	03/19/2014 11:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 15:17	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.49**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/21/2014 02:18	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.3**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**26.0**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 01:02	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.650J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**2.16J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**129**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**23.8**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**3.21J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 01:02	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.9	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	46.1	ug/L	92	77 - 127
2037-26-5	Toluene d8	50	52.6	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.7	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:47	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.7	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 17:25	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:11	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.0**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**6.84**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200802	**SMFMW-2**	Water	03/19/2014 12:55	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:11	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**28.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:11	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.653J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.687J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.96J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.63J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.533J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:11	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.6	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	45.5	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	40.3	ug/L	81	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:53	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.6	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:10	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200803	**DUP-4**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2014 16:26	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**1.45**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:28	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**20.1**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**27.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/25/2014 00:41	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.246U	10.0	0.246	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.218U	10.0	0.218	ug/L
79-00-5	1,1,2-Trichloroethane	0.318U	10.0	0.318	ug/L
75-34-3	1,1-Dichloroethane	0.342U	10.0	0.342	ug/L
75-35-4	1,1-Dichloroethene	0.416U	10.0	0.416	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.210U	10.0	0.210	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.388U	10.0	0.388	ug/L
106-93-4	1,2-Dibromoethane	0.205U	10.0	0.205	ug/L
95-50-1	1,2-Dichlorobenzene	0.270U	10.0	0.270	ug/L
107-06-2	1,2-Dichloroethane	0.232U	10.0	0.232	ug/L
78-87-5	1,2-Dichloropropane	0.301U	10.0	0.301	ug/L
541-73-1	1,3-Dichlorobenzene	0.275U	10.0	0.275	ug/L
106-46-7	1,4-Dichlorobenzene	0.166U	10.0	0.166	ug/L
78-93-3	2-Butanone	0.284U	10.0	0.284	ug/L
110-75-8	2-Chloroethylvinyl ether	0.291U	10.0	0.291	ug/L
591-78-6	2-Hexanone	0.245U	10.0	0.245	ug/L
108-10-1	4-Methyl-2-pentanone	0.240U	10.0	0.240	ug/L
67-64-1	**Acetone**	**0.746J**	**10.0**	**0.387**	**ug/L**
71-43-2	Benzene	0.222U	10.0	0.222	ug/L
75-27-4	Bromodichloromethane	0.167U	10.0	0.167	ug/L
75-25-2	Bromoform	0.430U	10.0	0.430	ug/L
74-83-9	Bromomethane	0.854U	10.0	0.854	ug/L
75-15-0	Carbon disulfide	0.380U	10.0	0.380	ug/L
56-23-5	Carbon tetrachloride	0.496U	10.0	0.496	ug/L
108-90-7	Chlorobenzene	0.166U	10.0	0.166	ug/L
75-00-3	Chloroethane	0.470U	10.0	0.470	ug/L
67-66-3	Chloroform	0.310U	10.0	0.310	ug/L
74-87-3	Chloromethane	0.287U	10.0	0.287	ug/L
110-82-7	Cyclohexane	0.674U	10.0	0.674	ug/L
124-48-1	Dibromochloromethane	0.108U	10.0	0.108	ug/L
75-71-8	Dichlorodifluoromethane	0.290U	10.0	0.290	ug/L
100-41-4	Ethylbenzene	0.218U	10.0	0.218	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.260U	10.0	0.260	ug/L
79-20-9	Methyl Acetate	0.319U	10.0	0.319	ug/L
108-87-2	Methylcyclohexane	0.287U	10.0	0.287	ug/L
75-09-2	Methylene chloride	0.298U	10.0	0.298	ug/L
100-42-5	Styrene	0.179U	10.0	0.179	ug/L
127-18-4	**Tetrachloroethene**	**260**	**10.0**	**0.385**	**ug/L**
108-88-3	Toluene	0.244U	10.0	0.244	ug/L
79-01-6	**Trichloroethene**	**7.53J**	**10.0**	**0.323**	**ug/L**
75-69-4	Trichlorofluoromethane	0.314U	10.0	0.314	ug/L
76-13-1	Trichlorotrifluoroethane	0.316U	10.0	0.316	ug/L
108-05-4	Vinyl acetate	0.302U	10.0	0.302	ug/L
75-01-4	Vinyl chloride	0.254U	10.0	0.254	ug/L
1330-20-7	**Xylene (total)**	**2.83J**	**30.0**	**0.358**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.77J**	**10.0**	**0.207**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.248U	10.0	0.248	ug/L
136777-61-2	**m,p-Xylene**	**1.56J**	**20.0**	**0.247**	**ug/L**
95-47-6	**o-Xylene**	**1.27J**	**10.0**	**0.111**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.155U	10.0	0.155	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/25/2014 00:41	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.154U	10.0	0.154	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.255U	10.0	0.255	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	102	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	100	93	ug/L	93	77 - 127
2037-26-5	Toluene d8	100	105	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	84.6	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 12:59	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	31.4	ug/L	78	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:32	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:45	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**21.7**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**10.3**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200804	**SMFDR-3**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 03:45	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**34.2**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:32	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.736J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.41**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.14J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:32	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.8	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	45.6	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41	ug/L	82	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:04	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.8	ug/L	81	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 18:54	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:03	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**31.9**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**9.64**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200805	**SMFPI-1**	Water	03/19/2014 12:03	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:03	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.4**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:53	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**0.666J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.38**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**0.214J**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**1.31J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**0.214J**	**10.0**	**0.123**	**ug/L**
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 22:53	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.9	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	46.7	ug/L	93	77 - 127
2037-26-5	Toluene d8	50	53.3	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.1	ug/L	82	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:10	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	27.9	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 19:15	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:55	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**31.6**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**9.21**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200806	**DUP-5**	Water	03/19/2014 12:00	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 04:55	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**46.1**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:14	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.09J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**12.6**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.10J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:14	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.2	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	45.6	ug/L	91	77 - 127
2037-26-5	Toluene d8	50	52.4	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	39.7	ug/L	79	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/01/2014 13:16	JAR	528826

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.1	ug/L	69	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 20:02	JEM	528212

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.66J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 12:00	MDW	528321

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 05:12	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**16.9**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**13.9**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200807	**SMFDS-3**	Water	03/19/2014 14:15	03/20/2014 09:25

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/21/2014 05:12	AEL	528012

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**48.7**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:35	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.07J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403200808	**TRIP BLANK**	Water	03/19/2014 10:23	03/20/2014 09:25

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/24/2014 23:35	CEK	528287

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.3	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	45.9	ug/L	92	77 - 127
2037-26-5	Toluene d8	50	53.1	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.2	ug/L	82	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528287	**Client ID**	MB528287	LCS528287	LCSD528287
Prep Batch N/A	**GCAL ID**	1296286	1296287	1296288
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/24/2014 16:25	03/24/2014 15:00	03/24/2014 15:20
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	34.7	69	44 - 156	38.2	76	10	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	45.6	91	74 - 125	46.8	94	3	30
75-25-2	Bromoform	0.215U	0.215	50.0	48.3	97	64 - 122	52.0	104	7	30
74-83-9	Bromomethane	0.427U	0.427	50.0	60.1	120	47 - 138	61.1	122	2	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	53.0	106	69 - 136	54.0	108	2	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	44.5	89	76 - 128	44.4	89	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	59.6	119	62 - 141	58.9	118	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	114	114	74 - 126	115	115	1	30
67-66-3	Chloroform	0.155U	0.155	50.0	46.3	93	75 - 122	46.5	93	0	30
74-87-3	Chloromethane	0.144U	0.144	50.0	43.9	88	59 - 132	46.5	93	6	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.6	103	71 - 123	53.8	108	4	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	45.5	91	58 - 140	46.1	92	1	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	46.0	92	74 - 127	46.8	94	2	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	40.7	81	71 - 129	42.3	85	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	45.8	92	73 - 130	46.0	92	0	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	45.5	91	69 - 132	46.4	93	2	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	40.9	82	68 - 132	41.9	84	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	47.7	95	72 - 128	48.9	98	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.2	98	71 - 132	50.4	101	2	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	46.7	93	71 - 131	48.7	97	4	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	58.1	116	74 - 126	59.6	119	3	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	39.8	80	50 - 135	45.6	91	14	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	56.1	112	71 - 125	56.7	113	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	36.7	73	58 - 137	41.5	83	12	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	41.2	82	57 - 132	45.6	91	10	30
100-42-5	Styrene	0.089U	0.089	50.0	59.0	118	71 - 127	60.1	120	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	57.9	116	68 - 128	57.1	114	1	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	50.2	100	70 - 122	52.4	105	4	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	60.6	121	61 - 135	59.6	119	2	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	44.8	90	76 - 126	44.7	89	0	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	54.9	110	72 - 121	57.7	115	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	44.4	89	72 - 136	45.6	91	3	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	57.6	115	68 - 132	56.4	113	2	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528287	**Client ID**	MB528287			LCS528287				LCSD528287		
Prep Batch	N/A	**GCAL ID**	1296286			1296287				1296288		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/24/2014 16:25			03/24/2014 15:00				03/24/2014 15:20		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	57.9	116	73 -	130	59.1	118	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	50.7	101	57 -	121	55.8	112	10	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	54.2	108	70 -	124	57.1	114	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	37.9	76	54 -	147	39.1	78	3	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	45.8	92	71 -	125	48.3	97	5	30
1330-20-7	Xylene (total)	0.179U	0.179	150	172	115	74 -	127	174	116	1	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	58.4	117	67 -	138	57.0	114	2	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	50.8	102	69 -	132	50.7	101	0	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	36.7	73	57 -	139	40.7	81	10	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	52.3	105	72 -	136	53.2	106	2	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	40.6	81	56 -	124	52.3	105	25	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	53.0	106	74 -	126	53.4	107	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.6	103	72 -	122	52.6	105	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.3	105	71 -	126	52.8	106	1	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.2	108	69 -	129	54.1	108	0	20
71-43-2	Benzene	0.111U	0.111	50.0	51.2	102	70 -	129	52.6	105	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.2	106	76 -	129	55.5	111	4	20
108-88-3	Toluene	0.122U	0.122	50.0	55.8	112	72 -	120	56.9	114	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	56.2	112	74 -	123	57.0	114	1	20
Surrogate												
460-00-4	4-Bromofluorobenzene	52.6	105	50	53.7	107	78 -	130	53.7	107		
1868-53-7	Dibromofluoromethane	46.5	93	50	47.2	94	77 -	127	46.8	94		
2037-26-5	Toluene d8	53.5	107	50	53.4	107	76 -	134	53	106		
17060-07-0	1,2-Dichloroethane-d4	41.9	84	50	40.9	82	71 -	127	41.7	83		

General Chromatography Quality Control Summary

Analytical Batch	528826	**Client ID**	MB528826	LCS528826	LCSD528826
Prep Batch	N/A	**GCAL ID**	1298962	1298963	1298964
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	04/01/2014 10:52	04/01/2014 10:59	04/01/2014 11:05
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.435U	0.435	17.5	17.0	97	39 - 120	16.1	92	5	27
74-85-1	Ethene	0.071U	0.071	3.06	3.26	107	45 - 134	3.08	101	6	25
74-84-0	Ethane	0.087U	0.087	3.28	3.51	107	45 - 128	3.09	94	13	29
Surrogate											
115-07-1	Propene	28.2	70	40.5	33.3	82	40 - 143	31.5	78		

General Chemistry Quality Control Summary

Analytical Batch	528212	**Client ID**	MB528212			LCS528212		
Prep Batch	N/A	**GCAL ID**	1295919			1295920		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/24/2014 09:47			03/24/2014 08:53		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	52.5	105	80 - 120	

Analytical Batch	528212	**Client ID**	MSS004-G530 (60)-A14			1294224MS			1294224MSD			
Prep Batch	N/A	**GCAL ID**	21403191301			1295921			1295922			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/24/2014 10:10			03/24/2014 10:40			03/24/2014 11:12			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.36	0.30	50.0	52.6	104	75 - 125	53.4	106	2	25

Analytical Batch	528212	**Client ID**	SMFDS-3			1294689MS			1294689MSD			
Prep Batch	N/A	**GCAL ID**	21403200807			1295923			1295924			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/24/2014 20:02			03/24/2014 21:34			03/24/2014 21:54			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
C-012	Total Organic Carbon	0.66	0.30	50.0	54.1	107	75 - 125	54.4	108	1	25

General Chemistry Quality Control Summary

Analytical Batch	528321	Client ID	MB528321	LCS528321
Prep Batch	N/A	GCAL ID	1296405	1296406
		Sample Type	Method Blank	LCS
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	2.00U	2.00	25.0	25.3	101	80 - 120

Analytical Batch	528321	Client ID	SMFMW-2	1294681MS
Prep Batch	N/A	GCAL ID	21403200802	1296898
		Sample Type	SAMPLE	MS
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
18496-25-8	Sulfide	0.000	2.00	25.0	26.1	104	75 - 125

Analytical Batch	528321	Client ID	SMFMW-4	1294185DUP
Prep Batch	N/A	GCAL ID	21403191106	1296408
		Sample Type	SAMPLE	DUP
		Analytical Date	03/25/2014 12:00	03/25/2014 12:00
		Matrix	Water	Water

SM 4500-S2 F-2011		Units	mg/L	Result		RPD
		Result	RDL		RPD	Limit
18496-25-8	Sulfide	0.000	2.00	0.000	0	25

General Chemistry Quality Control Summary

Analytical Batch	528012	**Client ID**	MB528012			LCS528012			
Prep Batch	N/A	**GCAL ID**	1294790			1294791			
		Sample Type	Method Blank			LCS			
		Analytical Date	03/20/2014 14:42			03/20/2014 14:25			
		Matrix	Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**		
		Result	**RDL**	**Added**		**% R**	**Limits % R**		
16887-00-6	Chloride	0.050U	0.050	2.50	2.43	97	80 - 120		
14797-55-8	Nitrate	0.050U	0.050	2.50	2.52	101	80 - 120		
14808-79-8	Sulfate	0.050U	0.050	2.50	2.27	91	80 - 120		

Analytical Batch	528012	**Client ID**	SMFMW-1		1294680MS			1294680MSD			
Prep Batch	N/A	**GCAL ID**	21403200801		1294792			1294793			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/21/2014 02:18		03/21/2014 02:36			03/21/2014 02:53			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	21.3	1.00	50.0	72.4	102	80 - 120	72.2	102	0	15
14808-79-8	Sulfate	26.0	1.00	50.0	78.2	104	80 - 120	78.0	104	0	15

Analytical Batch	528012	**Client ID**	SMFMW-1		1294680MS			1294680MSD			
Prep Batch	N/A	**GCAL ID**	21403200801		1294792			1294793			
		Sample Type	SAMPLE		MS			MSD			
		Analytical Date	03/20/2014 15:17		03/20/2014 15:34			03/20/2014 15:52			
		Matrix	Water		Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	1.49	0.050	2.50	4.28	111	80 - 120	4.26	111	0	15

General Chemistry Quality Control Summary

Analytical Batch 528012	**Client ID**	MSS004-G500(65)-A14			1294688MS			1294688MSD			
Prep Batch N/A	**GCAL ID**	21403200707			1294794			1294795			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/20/2014 20:13			03/20/2014 20:30			03/20/2014 20:48			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
14797-55-8 Nitrate		0.459	0.050	2.50	2.96	100	80 - 120	2.99	101	1	15

Analytical Batch 528012	**Client ID**	MSS004-G500(65)-A14			1294688MS			1294688MSD			
Prep Batch N/A	**GCAL ID**	21403200707			1294794			1294795			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	03/20/2014 21:05			03/20/2014 21:57			03/20/2014 22:15			
	Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
16887-00-6 Chloride		3.34	0.250	12.5	16.4	105	80 - 120	16.7	107	2	15

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY REC

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032008
Due Date: 04/01/14

LY

Report to:
Client: AMEC E&I
Address: 396 Plasters Ave
Atlanta GA
Contact: Daniel Morris
Phone: 770 547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address:
Contact: See work Order
Phone:
E-mail:

P.O. Number
Project Name/Number
Sampled By:

Analytical Requests & Method

GCAL use only:
Custody Seal
used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.9 E22

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (3)	Methane, Ethane, Ethene (2)	Chloride, Sulfate (1)	*NITRATE* (1)	Sulfide (1)	Preservative
W	03/19	1100			SMEMW-1		X	X	X	X	X	X	
		1255			SMEMW-2								1
		1200			DUP-4								2
		1023			SMFDR-3								3
		1203			SMFPI-1								4
		1200			DUP-5								5
		1415			SMFDS-3								6
↓	↓	1023			Trip Blank		↓	↓	↓	↓	↓	↓	7 *only VOC analysis 3/20 SH

K Carey 3/19/14

Air Bill No: 7982 7143 5848

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
K Carey	3/19/14	1500	Kuno Auer	3/19/14	15:00
FedEx	3/20/14	0925	Allison Nagy	3/20/14	0925

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032008

SAMPLE DELIVERY GROUP 214032008	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Gary, Joshua J
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/20/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☐	☑	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: e22	Temp(°C)
798271435848		1.9

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.4

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/04/2014

GCAL Report 214032217

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032217

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528756, the LCS and/or LCSD recoveries are above the upper control limit for Bromomethane, Chloromethane, Methylene chloride and Vinyl chloride. This compound was not detected in the associated samples. The LCS/LCSD RPD is above the control limit for Bromomethane and 2-Chloroethylvinyl ether.

In the EPA 8260B analysis for analytical batch 528756, Acetone, Bromoform and Methylene chloride were detected at an estimated concentration in the method blank. This is probable laboratory contamination.

VOLATILES GAS CHROMATOGRAPHY

In the EPA RSK-175 analysis, sample 21403221702 (SMFMW-11) had to be diluted to bracket the concentration of target analyte(s) within the calibration range of the instrument. The recoveries for the surrogates are not applicable for those analyses at a 10 or higher dilution.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403221701 (SMFMW-17), 21403221705 (SMFDR-1), 21403221702 (SMFMW-11), 21403221703 (SMFMW-14) and 21403221704 (SMFMW-7) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

MISCELLANEOUS

Samples 21403221701 (SMFMW-17), 21403221702 (SMFMW-11), 21403221703 (SMFMW-14), 21403221704 (SMFMW-7) and 21403221705 (SMFDR-1) were received outside of the prescribed holding time for EPA 9056A (Nitrate only). The analysis was still performed at the clients request.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032217

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	SMFMW-17	Water	03/20/2014 10:00	03/22/2014 13:05
21403221702	SMFMW-11	Water	03/20/2014 11:50	03/22/2014 13:05
21403221703	SMFMW-14	Water	03/20/2014 14:24	03/22/2014 13:05
21403221704	SMFMW-7	Water	03/20/2014 10:43	03/22/2014 13:05
21403221705	SMFDR-1	Water	03/20/2014 12:35	03/22/2014 13:05
21403221706	TRIP BLANK	Water	03/20/2014 10:00	03/22/2014 13:05

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	12.5	2.00	0.500	mg/L
14797-55-8	Nitrate	2.98	2.00	0.500	mg/L
14808-79-8	Sulfate	36.0	2.00	0.500	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
75-34-3	1,1-Dichloroethane	0.646J	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.436J	5.00	0.208	ug/L
67-64-1	Acetone	2.45J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.187J	5.00	0.149	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	3.4	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.38J	5.00	0.193	ug/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	5.95	4.00	1.00	mg/L
14808-79-8	Sulfate	103	4.00	1.00	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	Methane	207	20.0	4.35	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	4.73	0.200	0.050	mg/L
14797-55-8	Nitrate	1.81	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.38J	5.00	0.193	ug/L
67-66-3	Chloroform	0.227J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	25.2	5.00	0.193	ug/L
79-01-6	Trichloroethene	5.37	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.340J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.0	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	127	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.37	0.200	0.050	mg/L
14797-55-8	Nitrate	0.319	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	3.37J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.170J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	15.6	5.00	0.193	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	SMFMW-7	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	15.2	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	SMFDR-1	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	7.14	4.00	1.00	mg/L
14797-55-8	Nitrate	8.79	4.00	1.00	mg/L
14808-79-8	Sulfate	81.5	4.00	1.00	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	3.0	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.48J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.176J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	1.78J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	TRIP BLANK	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.88J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:27	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	**1,1-Dichloroethane**	**0.646J**	**5.00**	**0.171**	**ug/L**
75-35-4	**1,1-Dichloroethene**	**0.436J**	**5.00**	**0.208**	**ug/L**
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.45J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.187J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:27	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.5	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.9	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:44	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.7	ug/L	73	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 01:24	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/23/2014 12:01	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**12.5**	**2.00**	**0.500**	**mg/L**
14797-55-8	**Nitrate**	**2.98**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221701	**SMFMW-17**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/23/2014 12:01	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**36.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:51	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.38J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 05:51	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	44.9	ug/L	90	78 - 130
1868-53-7	Dibromofluoromethane	50	52.3	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:53	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28	ug/L	69	40 - 143

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	04/03/2014 12:02	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-82-8	**Methane**	**207**	**20.0**	**4.35**	**ug/L**

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 01:48	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**3.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221702	**SMFMW-11**	Water	03/20/2014 11:50	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:04	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.050U	0.200	0.050	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 12:53	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**5.95**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**103**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:15	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.38J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.227J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**25.2**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**5.37**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.340J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:15	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	44.1	ug/L	88	78 - 130
1868-53-7	Dibromofluoromethane	50	52.1	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.1	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:09	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	32.6	ug/L	80	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 02:11	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221703	**SMFMW-14**	Water	03/20/2014 14:24	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:22	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**4.73**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**1.81**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:11	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**127**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:39	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**3.37J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.170J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.6**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 06:39	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	51.8	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:14	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35	ug/L	86	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 02:33	KLC2	528639

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.30U	1.0	0.30	mg/L

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221704	**SMFMW-7**	Water	03/20/2014 10:43	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 22:39	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.37**	**0.200**	**0.050**	**mg/L**
14797-55-8	**Nitrate**	**0.319**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 13:28	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**15.2**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:03	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.48J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.176J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**1.78J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:03	LBH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.7	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	52.8	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	55	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 12:20	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	33.2	ug/L	82	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/31/2014 13:08	JEM	528820

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**3.0**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:45	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**7.14**	**4.00**	**1.00**	**mg/L**
14797-55-8	**Nitrate**	**8.79**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221705	**SMFDR-1**	Water	03/20/2014 12:35	03/22/2014 13:05

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 13:45	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**81.5**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	**TRIP BLANK**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:27	CLH	528756

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.88J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403221706	**TRIP BLANK**	Water	03/20/2014 10:00	03/22/2014 13:05

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 07:27	CLH	528756

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.1	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	53.9	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.9	ug/L	106	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 528756	**Client ID**	MB528756	LCS528756	LCSD528756
Prep Batch N/A	**GCAL ID**	1298705	1298706	1298707
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/29/2014 23:05	03/29/2014 21:30	03/29/2014 21:54
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	1.49J	0.193	50.0	39.6	79	44 - 156	46.6	93	16	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	53.7	107	74 - 125	58.0	116	8	30
75-25-2	Bromoform	0.298J	0.215	50.0	46.5	93	64 - 122	48.5	97	4	30
74-83-9	Bromomethane	0.427U	0.427	50.0	72.6	**145***	47 - 138	99.2	**198***	**31***	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	54.3	109	69 - 136	64.6	129	17	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	51.5	103	76 - 128	56.0	112	8	30
75-00-3	Chloroethane	0.235U	0.235	50.0	56.2	112	62 - 141	66.5	133	17	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	104	104	74 - 126	111	111	7	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.4	101	75 - 122	55.8	112	10	30
74-87-3	Chloromethane	0.144U	0.144	50.0	70.4	**141***	59 - 132	83.3	**167***	17	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	48.2	96	71 - 123	51.0	102	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	51.0	102	58 - 140	58.0	116	13	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	53.4	107	74 - 127	58.4	117	9	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	51.4	103	71 - 129	56.4	113	9	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	52.4	105	73 - 130	58.9	118	12	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	53.0	106	69 - 132	63.1	126	17	30
75-09-2	Methylene chloride	0.246J	0.149	50.0	56.5	113	68 - 132	66.4	**133***	16	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	53.0	106	72 - 128	58.4	117	10	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	52.7	105	71 - 132	55.6	111	5	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.5	97	71 - 131	55.3	111	13	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.9	104	74 - 126	55.0	110	6	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	41.2	82	50 - 135	44.7	89	8	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.1	102	71 - 125	54.5	109	6	30
78-93-3	2-Butanone	0.142U	0.142	50.0	42.6	85	58 - 137	49.4	99	15	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.4	97	57 - 132	52.9	106	9	30
100-42-5	Styrene	0.089U	0.089	50.0	49.1	98	71 - 127	53.7	107	9	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	49.0	98	68 - 128	50.3	101	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	58.2	116	70 - 122	60.3	121	4	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	45.5	91	61 - 135	50.0	100	9	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	50.6	101	76 - 126	55.3	111	9	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.4	99	72 - 121	51.8	104	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	52.0	104	72 - 136	59.8	120	14	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	53.9	108	68 - 132	66.3	**133***	21	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528756	**Client ID**	MB528756			LCS528756				LCSD528756		
Prep Batch	N/A	**GCAL ID**	1298705			1298706				1298707		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/29/2014 23:05			03/29/2014 21:30				03/29/2014 21:54		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.2	100	73 - 130		53.1	106	6	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	43.9	88	57 - 121		46.2	92	5	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	48.6	97	70 - 124		49.7	99	2	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	49.0	98	54 - 147		53.7	107	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.1	102	71 - 125		58.4	117	13	30
1330-20-7	Xylene (total)	0.179U	0.179	150	154	103	74 - 127		164	109	6	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	59.6	119	67 - 138		62.0	124	4	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	58.5	117	69 - 132		62.8	126	7	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	56.4	113	57 - 139		65.7	131	15	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	55.8	112	72 - 136		61.7	123	10	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	31.7	63	56 - 124		47.1	94	**39***	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.6	101	74 - 126		53.7	107	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	47.6	95	72 - 122		52.2	104	9	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.1	104	71 - 126		54.2	108	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	52.4	105	69 - 129		62.6	125	18	20
71-43-2	Benzene	0.111U	0.111	50.0	53.9	108	70 - 129		60.2	120	11	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	49.9	100	76 - 129		53.5	107	7	20
108-88-3	Toluene	0.122U	0.122	50.0	50.6	101	72 - 120		54.4	109	7	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	49.5	99	74 - 123		52.9	106	7	20
Surrogate												
460-00-4	4-Bromofluorobenzene	41.3	83	50	46.7	93	78 - 130		45.9	92		
1868-53-7	Dibromofluoromethane	52.5	105	50	50.2	100	77 - 127		50.1	100		
2037-26-5	Toluene d8	54.2	108	50	47.4	95	76 - 134		47.3	95		
17060-07-0	1,2-Dichloroethane-d4	51.7	103	50	51.2	102	71 - 127		51.3	103		

General Chromatography Quality Control Summary

Analytical Batch 529126	**Client ID**	MB529126	LCS529126	LCSD529126	
Prep Batch N/A	**GCAL ID**	1300567	1300568	1300569	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/03/2014 10:53	04/03/2014 11:00	04/03/2014 11:10	
	Matrix	Water	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.4	94	39 - 120	15.5	89	6	27
74-85-1	Ethene	0.071U	0.071	3.06	3.16	103	45 - 134	3.03	99	4	25
74-84-0	Ethane	0.087U	0.087	3.28	3.15	96	45 - 128	3.03	92	4	29
Surrogate											
115-07-1	Propene	29.1	72	40.5	30.3	75	40 - 143	28.8	71		

General Chemistry Quality Control Summary

Analytical Batch	528639	Client ID	MB528639			LCS528639		
Prep Batch	N/A	GCAL ID	1298034			1298035		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/28/2014 13:58			03/28/2014 13:06		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.3	103	80 - 120

Analytical Batch	528639	Client ID	DMW-29B-200314			1295766MS			1295766MSD			
Prep Batch	N/A	GCAL ID	21403220825			1298038			1298039			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/28/2014 20:10			03/28/2014 20:33			03/28/2014 20:54			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	0.00	0.30	50.0	52.8	106	75 - 125	53.1	106	1	25

Analytical Batch	528820	Client ID	MB528820			LCS528820		
Prep Batch	N/A	GCAL ID	1298943			1298944		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/31/2014 11:56			03/31/2014 11:05		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	51.7	103	80 - 120

Analytical Batch	528820	Client ID	OU7-MW-77-210314			OU7-MW-77-210314 MS			OU7-MW-77-210314 MD			
Prep Batch	N/A	GCAL ID	21403255211			21403255212			21403255213			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	04/01/2014 01:08			04/01/2014 01:34			04/01/2014 01:56			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	4.8	1.5	250	270	106	75 - 125	272	107	1	25

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7		1295854DUP		
Prep Batch	N/A	**GCAL ID**	21403221704		1297635		
		Sample Type	SAMPLE		DUP		
		Analytical Date	03/27/2014 14:10		03/27/2014 14:10		
		Matrix	Water		Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528182	**Client ID**	MB528182			LCS528182		
Prep Batch	N/A	**GCAL ID**	1295784			1295785		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/22/2014 12:47			03/22/2014 12:30		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.41	96	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.49	100	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.46	99	80 - 120	

Analytical Batch	528182	**Client ID**	DPMW-27			1295702MS			1295702MSD			
Prep Batch	N/A	**GCAL ID**	21403220601			1295786			1295787			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/22/2014 20:03			03/22/2014 20:20			03/22/2014 20:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.250	12.5	24.8	105	80 - 120	25.2	108	2	15	
14797-55-8	Nitrate	4.24	0.250	12.5	17.2	104	80 - 120	17.1	103	0	15	
14808-79-8	Sulfate	20.5	0.250	12.5	33.0	99	80 - 120	32.6	96	1	15	

Analytical Batch	528182	**Client ID**	SMFMW-17			1295848MS			1295848MSD			
Prep Batch	N/A	**GCAL ID**	21403221701			1295870			1295871			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/23/2014 12:01			03/23/2014 12:18			03/23/2014 12:36			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0	40.4	112	80 - 120	40.5	112	0	15	
14797-55-8	Nitrate	2.98	0.500	25.0	27.3	97	80 - 120	27.4	98	0	15	
14808-79-8	Sulfate	36.0	0.500	25.0	62.3	105	80 - 120	62.1	104	0	15	

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032217
Due Date: 04/02/14

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address: 396 Plasters Ave Atlanta, GA	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4469	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:

Project Name/Number: Woodall Creek Baseline Sampling

Sampled By: Daniel Morris / Mark Andrews

GCAL use only:
Custody Seal used ☐ yes ☐ no intact ☐ yes ☐ no
Temperature °C 4.3 EC2

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	TOC	Chloride, Sulfate	*NITRATE*	Methane, Ethane, Ethene	Sulfide	Preservative
						↓	3	2	1	1	2	1	←
W	3/20	1000		X	SMEMW-17		X	X	X	X	X	X	-1
		1150			SMEMW-11								-2
		1424			SMEMW-14								-3
		1043			SMEMW-7								-4
		1235			SMEDR-1								-5
↓	↓	1000		↓	Trip Blank *		↓	↓	↓	↓	↓	↓	-6

3/20/14

Air Bill No: 7982-8721-4306

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/14	1518	AMEC	3/20/14	15:18
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) FedEx 7982 8721 4306	Date: 3/21/14	Time: 1040	Received by: (Signature)	Date: 3/21/14	Time: 1040

Note: * VOC analysis only 3/24 (SH)

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

3/22/14 1305 3/22/14 1305

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032217

SAMPLE DELIVERY GROUP 214032217	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Kinchen, Anna M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/22/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E22	Temp(°C)
		4.3

DISCREPANCIES

Sample received expired:

21403221701 - SMFMW-17

21403221702 - SMFMW-11

21403221703 - SMFMW-14

21403221704 - SMFMW-7

21403221705 - SMFDR-1

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/04/2014

GCAL Report 214032206

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032206

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 529104, the LCS/LCSD RPD is above the control limit for 2-Chloroethylvinyl ether.

CONVENTIONALS

In the EPA 9056A analysis, samples 21403220601 (DPMW-27), 21403220602 (DPMW-26), 21403220603 (SMFMW-18) and 21403220604 (SMFMW-6) had to be diluted in order to bracket the concentration within the calibration range of the instrument.

In the EPA 9060A analysis, sample 21403220603 (SMFMW-18) had to be diluted in order to bracket the Total Carbon and/or Total Inorganic Carbon concentrations within the calibration range of the instrument. The Total Organic Carbon is based on the difference between the Total Carbon and the Inorganic Carbon. The dilution is reflected in the elevated reporting limit.

MISCELLANEOUS

For Sample 21403220601 (DPMW-27), a date, time of collection or sample ID discrepancy between a container label and the chain of custody was noted at receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032206

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	DPMW-27	Water	03/21/2014 11:00	03/22/2014 09:40
21403220602	DPMW-26	Water	03/21/2014 11:03	03/22/2014 09:40
21403220603	SMFMW-18	Water	03/21/2014 10:35	03/22/2014 09:40
21403220604	SMFMW-6	Water	03/21/2014 12:30	03/22/2014 09:40

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	DPMW-27	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	11.7	1.00	0.250	mg/L
14797-55-8	Nitrate	4.24	1.00	0.250	mg/L
14808-79-8	Sulfate	20.5	1.00	0.250	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.07J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.5	1.0	0.30	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	DPMW-26	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.899	0.200	0.050	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	2.3	1.0	0.30	mg/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.998J	1.00	0.087	ug/L
74-82-8	Methane	2.06	2.00	0.435	ug/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.351J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	37.7	5.00	0.193	ug/L
79-01-6	Trichloroethene	11.0	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	9.41	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	10.5	1.00	0.250	mg/L
14808-79-8	Sulfate	24.8	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	4.75	0.400	0.100	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.208J	5.00	0.111	ug/L
67-66-3	Chloroform	0.172J	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	2.92J	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.860J	5.00	0.161	ug/L
75-01-4	Vinyl chloride	0.992J	5.00	0.127	ug/L
156-59-2	cis-1,2-Dichloroethene	4.19J	5.00	0.103	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	6.1	5.0	1.5	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.72	4.00	1.00	mg/L
14808-79-8	Sulfate	106	4.00	1.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.113J	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
95-50-1	1,2-Dichlorobenzene	0.683J	5.00	0.135	ug/L
106-46-7	1,4-Dichlorobenzene	0.203J	5.00	0.083	ug/L
78-93-3	2-Butanone	1.71J	5.00	0.142	ug/L
591-78-6	2-Hexanone	7.03	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.977J	5.00	0.120	ug/L
67-64-1	Acetone	6.01	5.00	0.193	ug/L
110-82-7	Cyclohexane	0.780J	5.00	0.337	ug/L
100-41-4	Ethylbenzene	22.4	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	24.4	5.00	0.130	ug/L
108-87-2	Methylcyclohexane	4.05J	5.00	0.143	ug/L
127-18-4	Tetrachloroethene	25.1	5.00	0.193	ug/L
108-88-3	Toluene	1.24J	5.00	0.122	ug/L
79-01-6	Trichloroethene	1.25J	5.00	0.161	ug/L
1330-20-7	Xylene (total)	159	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.337J	5.00	0.103	ug/L
136777-61-2	m,p-Xylene	42.3	10.0	0.123	ug/L
95-47-6	o-Xylene	117	5.00	0.055	ug/L

EPA RSK-175

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.539J	1.00	0.087	ug/L
74-82-8	Methane	6.20	2.00	0.435	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	16.5	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	3.94	1.00	0.250	mg/L
14808-79-8	Sulfate	30.5	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:09	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.07J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:09	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.4	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	50	47.3	ug/L	95	77 - 127
2037-26-5	Toluene d8	50	51.4	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.6	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:18	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	28.9	ug/L	71	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 13:28	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/22/2014 20:03	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**11.7**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**4.24**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220601	**DPMW-27**	Water	03/21/2014 11:00	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/22/2014 20:03	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**20.5**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:31	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.351J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**37.7**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**11.0**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**9.41**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:31	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.2	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	47.8	ug/L	96	77 - 127
2037-26-5	Toluene d8	50	53.8	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	41.3	ug/L	83	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:24	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.998J**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**2.06**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.9	ug/L	74	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 13:52	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**2.3**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220602	**DPMW-26**	Water	03/21/2014 11:03	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 14:14	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.899**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 11:26	AEL	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**10.5**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**24.8**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:54	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	Acetone	0.193U	5.00	0.193	ug/L
71-43-2	**Benzene**	**0.208J**	**5.00**	**0.111**	**ug/L**
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**0.172J**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**2.92J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.860J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	**Vinyl chloride**	**0.992J**	**5.00**	**0.127**	**ug/L**
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**4.19J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/29/2014 06:54	CLH	528711

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.7	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	46.9	ug/L	94	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	42.3	ug/L	85	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:30	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	29.3	ug/L	72	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/31/2014 00:13	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**6.1**	**5.0**	**1.5**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220603	**SMFMW-18**	Water	03/21/2014 10:35	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	03/22/2014 20:55	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**4.75**	**0.400**	**0.100**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	03/23/2014 00:06	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.72**	**4.00**	**1.00**	**mg/L**
14808-79-8	**Sulfate**	**106**	**4.00**	**1.00**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 03:58	JCK	529104

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	**1,2-Dichlorobenzene**	**0.683J**	**5.00**	**0.135**	**ug/L**
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	**1,4-Dichlorobenzene**	**0.203J**	**5.00**	**0.083**	**ug/L**
78-93-3	**2-Butanone**	**1.71J**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	**2-Hexanone**	**7.03**	**5.00**	**0.122**	**ug/L**
108-10-1	**4-Methyl-2-pentanone**	**0.977J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**6.01**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	**Cyclohexane**	**0.780J**	**5.00**	**0.337**	**ug/L**
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	**Ethylbenzene**	**22.4**	**5.00**	**0.109**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**24.4**	**5.00**	**0.130**	**ug/L**
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	**Methylcyclohexane**	**4.05J**	**5.00**	**0.143**	**ug/L**
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**25.1**	**5.00**	**0.193**	**ug/L**
108-88-3	**Toluene**	**1.24J**	**5.00**	**0.122**	**ug/L**
79-01-6	**Trichloroethene**	**1.25J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	**Xylene (total)**	**159**	**15.0**	**0.179**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.337J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	**m,p-Xylene**	**42.3**	**10.0**	**0.123**	**ug/L**
95-47-6	**o-Xylene**	**117**	**5.00**	**0.055**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 03:58	JCK	529104

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	63.7	ug/L	127	78 - 130
1868-53-7	Dibromofluoromethane	50	52.6	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	47.9	ug/L	96	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.9	ug/L	94	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/03/2014 11:38	JAR	529126

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	**Ethane**	**0.539J**	**1.00**	**0.087**	**ug/L**
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	**Methane**	**6.20**	**2.00**	**0.435**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.5	ug/L	88	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/28/2014 14:49	KLC2	528616

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**16.5**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403220604	**SMFMW-6**	Water	03/21/2014 12:30	03/22/2014 09:40

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/22/2014 14:49	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.113J**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/23/2014 00:24	DMT	528182

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**3.94**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**30.5**	**1.00**	**0.250**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 528711	**Client ID**	MB528711	LCS528711	LCSD528711
Prep Batch N/A	**GCAL ID**	1298455	1298456	1298457
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/29/2014 00:42	03/28/2014 23:17	03/28/2014 23:38
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	33.4	67	44 - 156	35.2	70	5	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	43.6	87	74 - 125	44.2	88	1	30
75-25-2	Bromoform	0.215U	0.215	50.0	44.5	89	64 - 122	47.4	95	6	30
74-83-9	Bromomethane	0.427U	0.427	50.0	53.8	108	47 - 138	59.4	119	10	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.8	106	69 - 136	50.5	101	4	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	43.8	88	76 - 128	42.7	85	3	30
75-00-3	Chloroethane	0.235U	0.235	50.0	57.5	115	62 - 141	56.8	114	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	115	115	74 - 126	111	111	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	44.2	88	75 - 122	44.6	89	1	30
74-87-3	Chloromethane	0.144U	0.144	50.0	44.2	88	59 - 132	45.2	90	2	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	47.1	94	71 - 123	49.9	100	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	44.7	89	58 - 140	43.6	87	2	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	44.8	90	74 - 127	45.2	90	1	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	39.1	78	71 - 129	39.8	80	2	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	44.9	90	73 - 130	44.1	88	2	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	45.7	91	69 - 132	45.3	91	1	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	41.1	82	68 - 132	40.9	82	1	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	46.5	93	72 - 128	47.4	95	2	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	47.8	96	71 - 132	48.3	97	1	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	45.2	90	71 - 131	46.2	92	2	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	57.9	116	74 - 126	57.0	114	2	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	39.6	79	50 - 135	43.1	86	8	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	58.0	116	71 - 125	55.2	110	5	30
78-93-3	2-Butanone	0.142U	0.142	50.0	36.3	73	58 - 137	38.4	77	6	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	39.0	78	57 - 132	42.2	84	8	30
100-42-5	Styrene	0.089U	0.089	50.0	58.2	116	71 - 127	57.3	115	2	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	58.6	117	68 - 128	55.7	111	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	43.5	87	70 - 122	48.4	97	11	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	53.6	107	61 - 135	56.0	112	4	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	43.8	88	76 - 126	42.6	85	3	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.9	100	72 - 121	52.7	105	5	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	42.6	85	72 - 136	42.2	84	1	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	55.4	111	68 - 132	55.4	111	0	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528711	**Client ID**	MB528711			LCS528711				LCSD528711		
Prep Batch	N/A	**GCAL ID**	1298455			1298456				1298457		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/29/2014 00:42			03/28/2014 23:17				03/28/2014 23:38		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	58.5	117	73 -	130	56.8	114	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	40.1	80	57 -	121	48.0	96	18	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.2	98	70 -	124	52.8	106	7	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	58.9	118	54 -	147	59.6	119	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	44.2	88	71 -	125	45.8	92	4	30
1330-20-7	Xylene (total)	0.179U	0.179	150	174	116	74 -	127	168	112	4	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	61.4	123	67 -	138	55.8	112	10	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	53.4	107	69 -	132	49.5	99	8	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	37.6	75	57 -	139	38.4	77	2	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	53.3	107	72 -	136	50.1	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	56.5	113	56 -	124	45.3	91	22	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	51.2	102	74 -	126	50.7	101	1	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	49.2	98	72 -	122	50.2	100	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	49.5	99	71 -	126	49.5	99	0	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	54.0	108	69 -	129	52.5	105	3	20
71-43-2	Benzene	0.111U	0.111	50.0	50.3	101	70 -	129	50.3	101	0	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	53.1	106	76 -	129	52.9	106	0	20
108-88-3	Toluene	0.122U	0.122	50.0	52.7	105	72 -	120	53.5	107	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	54.0	108	74 -	123	54.1	108	0	20
Surrogate												
460-00-4	4-Bromofluorobenzene	53.1	106	50	53.9	108	78 -	130	54.9	110		
1868-53-7	Dibromofluoromethane	47.9	96	50	47.6	95	77 -	127	47.7	95		
2037-26-5	Toluene d8	52	104	50	51.2	102	76 -	134	52.1	104		
17060-07-0	1,2-Dichloroethane-d4	41.8	84	50	41.4	83	71 -	127	41.1	82		

GC/MS Volatiles Quality Control Summary

Analytical Batch 529104	**Client ID**	MB529104	LCS529104	LCSD529104
Prep Batch N/A	**GCAL ID**	1300470	1300471	1300472
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/03/2014 03:10	04/03/2014 01:09	04/03/2014 01:33
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-64-1	Acetone	0.193U	0.193	50.0	37.2	74	44 - 156	36.6	73	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	48.4	97	74 - 125	44.9	90	8	30
75-25-2	Bromoform	0.215U	0.215	50.0	50.6	101	64 - 122	50.2	100	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	48.5	97	47 - 138	51.9	104	7	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	44.7	89	69 - 136	43.2	86	3	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	49.0	98	76 - 128	44.3	89	10	30
75-00-3	Chloroethane	0.235U	0.235	50.0	40.5	81	62 - 141	40.3	81	1	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	103	103	74 - 126	94.1	94	9	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.8	96	75 - 122	43.1	86	10	30
74-87-3	Chloromethane	0.144U	0.144	50.0	45.2	90	59 - 132	43.4	87	4	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.7	101	71 - 123	49.1	98	3	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	46.0	92	58 - 140	42.0	84	9	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	47.3	95	74 - 127	43.5	87	8	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	46.2	92	71 - 129	44.3	89	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	49.1	98	73 - 130	44.9	90	9	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	47.5	95	69 - 132	40.9	82	15	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.1	96	68 - 132	44.2	88	8	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	49.8	100	72 - 128	46.6	93	7	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	49.4	99	71 - 132	45.4	91	8	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.4	97	71 - 131	45.1	90	7	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.0	102	74 - 126	47.0	94	8	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	38.1	76	50 - 135	39.3	79	3	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.9	104	71 - 125	47.1	94	10	30
78-93-3	2-Butanone	0.142U	0.142	50.0	41.5	83	58 - 137	39.9	80	4	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.7	89	57 - 132	45.7	91	2	30
100-42-5	Styrene	0.089U	0.089	50.0	51.7	103	71 - 127	48.8	98	6	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	52.5	105	68 - 128	47.3	95	10	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	48.1	96	70 - 122	47.1	94	2	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	50.0	100	61 - 135	46.9	94	6	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	47.2	94	76 - 126	42.8	86	10	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	48.3	97	72 - 121	47.0	94	3	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	47.4	95	72 - 136	43.7	87	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	46.1	92	68 - 132	44.9	90	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	529104	**Client ID**	MB529104			LCS529104				LCSD529104		
Prep Batch	N/A	**GCAL ID**	1300470			1300471				1300472		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/03/2014 03:10			04/03/2014 01:09				04/03/2014 01:33		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	50.9	102	73 - 130		47.4	95	7	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	41.0	82	57 - 121		42.8	86	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.3	101	70 - 124		48.0	96	5	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	44.6	89	54 - 147		40.6	81	9	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	48.2	96	71 - 125		44.2	88	9	30
1330-20-7	Xylene (total)	0.179U	0.179	150	154	103	74 - 127		142	95	8	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	57.0	114	67 - 138		48.6	97	16	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	52.1	104	69 - 132		45.5	91	14	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	41.3	83	57 - 139		34.0	68	19	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	47.8	96	72 - 136		44.9	90	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	49.3	99	56 - 124		34.1	68	**36***	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.7	101	74 - 126		46.9	94	8	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.1	100	72 - 122		47.1	94	6	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.0	104	71 - 126		49.6	99	5	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	45.3	91	69 - 129		45.4	91	0	20
71-43-2	Benzene	0.111U	0.111	50.0	50.2	100	70 - 129		46.2	92	8	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	51.6	103	76 - 129		47.8	96	8	20
108-88-3	Toluene	0.122U	0.122	50.0	50.3	101	72 - 120		46.6	93	8	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	51.3	103	74 - 123		48.1	96	6	20
Surrogate												
460-00-4	4-Bromofluorobenzene	51.4	103	50	56.2	112	78 - 130		56.2	112		
1868-53-7	Dibromofluoromethane	52.3	105	50	50.1	100	77 - 127		49.7	99		
2037-26-5	Toluene d8	56.3	113	50	48.2	96	76 - 134		48.6	97		
17060-07-0	1,2-Dichloroethane-d4	47.7	95	50	49.3	99	71 - 127		48.1	96		

General Chromatography Quality Control Summary

Analytical Batch 529126	**Client ID**	MB529126	LCS529126	LCSD529126	
Prep Batch N/A	**GCAL ID**	1300567	1300568	1300569	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/03/2014 10:53	04/03/2014 11:00	04/03/2014 11:10	
	Matrix	Water	Water	Water	

EPA RSK-175		**Units**	ug/L	**Spike**							
		Result	**RDL**	**Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
74-82-8	Methane	0.435U	0.435	17.5	16.4	94	39 - 120	15.5	89	6	27
74-85-1	Ethene	0.071U	0.071	3.06	3.16	103	45 - 134	3.03	99	4	25
74-84-0	Ethane	0.087U	0.087	3.28	3.15	96	45 - 128	3.03	92	4	29
Surrogate											
115-07-1	Propene	29.1	72	40.5	30.3	75	40 - 143	28.8	71		

General Chemistry Quality Control Summary

Analytical Batch	528616	Client ID	MB528616			LCS528616		
Prep Batch	N/A	GCAL ID	1297955			1297956		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/28/2014 10:47			03/28/2014 09:51		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	ND	0.30	50.0	49.6	99	80 - 120

Analytical Batch	528616	Client ID	DMW-13A-200314			DMW-13A-200314 MS			DMW-13A-200314 MD			
Prep Batch	N/A	GCAL ID	21403220802			21403220803			21403220804			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/28/2014 15:14			03/28/2014 15:38			03/28/2014 17:22			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	2.0	0.30	50.0	53.4	103	75 - 125	53.9	104	1	25

Analytical Batch	528719	Client ID	MB528719			LCS528719		
Prep Batch	N/A	GCAL ID	1298503			1298504		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/30/2014 10:01			03/30/2014 09:09		
		Matrix	Water			Water		
EPA 9060A		Units	mg/L	Spike	Result		Control
		Result	RDL	Added		% R	Limits % R
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.9	102	80 - 120

Analytical Batch	528719	Client ID	OU7-MW-83-210314D			1296686MS			1296686MSD			
Prep Batch	N/A	GCAL ID	21403255203			1298507			1298508			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 22:58			03/30/2014 23:23			03/30/2014 23:48			
		Matrix	Water			Water			Water			
EPA 9060A		Units	mg/L	Spike	Result		Control	Result		RPD	RPD
		Result	RDL	Added		% R	Limits % R		% R		Limit
C-012	Total Organic Carbon	5.0	0.30	50.0	56.3	103	75 - 125	58.8	108	4	25

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7	1295854DUP			
Prep Batch	N/A	**GCAL ID**	21403221704	1297635			
		Sample Type	SAMPLE	DUP			
		Analytical Date	03/27/2014 14:10	03/27/2014 14:10			
		Matrix	Water	Water			
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528182	**Client ID**	MB528182			LCS528182		
Prep Batch	N/A	**GCAL ID**	1295784			1295785		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/22/2014 12:47			03/22/2014 12:30		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.41	96	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.49	100	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.46	99	80 - 120	

Analytical Batch	528182	**Client ID**	DPMW-27			1295702MS			1295702MSD			
Prep Batch	N/A	**GCAL ID**	21403220601			1295786			1295787			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/22/2014 20:03			03/22/2014 20:20			03/22/2014 20:37			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	11.7	0.250	12.5	24.8	105	80 - 120	25.2	108	2	15	
14797-55-8	Nitrate	4.24	0.250	12.5	17.2	104	80 - 120	17.1	103	0	15	
14808-79-8	Sulfate	20.5	0.250	12.5	33.0	99	80 - 120	32.6	96	1	15	

Analytical Batch	528182	**Client ID**	SMFMW-17			1295848MS			1295848MSD			
Prep Batch	N/A	**GCAL ID**	21403221701			1295870			1295871			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/23/2014 12:01			03/23/2014 12:18			03/23/2014 12:36			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
16887-00-6	Chloride	12.5	0.500	25.0	40.4	112	80 - 120	40.5	112	0	15	
14797-55-8	Nitrate	2.98	0.500	25.0	27.3	97	80 - 120	27.4	98	0	15	
14808-79-8	Sulfate	36.0	0.500	25.0	62.3	105	80 - 120	62.1	104	0	15	

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032206
Due Date: 04/02/14

Report to:
Client: AMEC E+I
Address:
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews / Tela Noviekis

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
Custody Seal intact ☑ yes ☐ no
Temperature °C 0.2, 5.6 (E24)

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	TOC 2	VOCs 8260B 3	Methane, Ethane, Ethene 2	Chloride, Sulfate 1	*NITRATE* 1	Sulfide 1	Preservative
W	3/21	1100		X	DPMW-27		X	X	X	X	X	X	01
↓	↓	1103		↓	DPMW-26		↓	↓	↓	↓	↓	↓	02
		1035			SMFMW-18								03
		1230			SMFMW-6								04
↓	↓	1035		↓	TRIP BLANK*		↓	↓	↓	↓	↓	↓	05

3/21/14

Air Bill No: 7982 9662 4368

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/14	1246	FedEx	3/21/14	12:46
FedEx				3-22-14	0940
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Note: *Trip blank not received 3/25 SH

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032206

SAMPLE DELIVERY GROUP 214032206

Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Naquin, Allison
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/22/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☐	☑	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7982 9662 4368		0.2

DISCREPANCIES

21403220601 - DPMW-27:
Sample Discrepancy
21403220605 - TRIP BLANK:
Missing sample

LAB PRESERVATIONS

None

NOTES ALL VOA VIALS RECEIVED LABELED DPMW-7

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/07/2014

GCAL Report 214032510

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032510

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 528766, the LCS and/or LCSD recoveries are above the upper control limit for Chloromethane and Bromomethane. These compounds were not detected in the associated samples. Acetone, Bromoform and Methylene chloride were detected at an estimated concentration in the method blank. This is probable laboratory contamination.

CONVENTIONALS

In the EPA 9056A analysis, all amples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032510

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	SMFMW-9	Water	03/24/2014 10:15	03/25/2014 10:30
21403251002	SMFMW-10	Water	03/24/2014 12:00	03/25/2014 10:30
21403251003	DPMW-25	Water	03/24/2014 10:53	03/25/2014 10:30
21403251004	DPMW-28	Water	03/24/2014 13:13	03/25/2014 10:30

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	0.796	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.36J	5.00	0.193	ug/L
75-09-2	Methylene chloride	0.189J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	3.36J	5.00	0.193	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.75J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	13.6	2.00	0.500	mg/L
14808-79-8	Sulfate	52.0	2.00	0.500	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	Sulfate	3.38	0.200	0.050	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.86J	5.00	0.193	ug/L
75-25-2	Bromoform	0.330J	5.00	0.215	ug/L
75-09-2	Methylene chloride	0.161J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	7.69	5.00	0.193	ug/L
79-01-6	Trichloroethene	0.189J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.708J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	0.35J	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	17.8	1.00	0.250	mg/L
14797-55-8	Nitrate	5.28	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	8.63	1.00	0.250	mg/L
14797-55-8	Nitrate	6.82	1.00	0.250	mg/L
14808-79-8	Sulfate	17.4	1.00	0.250	mg/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	3.61J	5.00	0.193	ug/L
75-25-2	Bromoform	0.322J	5.00	0.215	ug/L
67-66-3	Chloroform	5.69	5.00	0.155	ug/L
127-18-4	Tetrachloroethene	63.8	5.00	0.193	ug/L
79-01-6	Trichloroethene	7.59	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	2.95J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	Nitrate	2.04	0.200	0.050	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	1.96J	5.00	0.193	ug/L
75-27-4	Bromodichloromethane	0.381J	5.00	0.083	ug/L
67-66-3	Chloroform	10.9	5.00	0.155	ug/L
75-09-2	Methylene chloride	0.286J	5.00	0.149	ug/L
127-18-4	Tetrachloroethene	15.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.41J	5.00	0.161	ug/L

EPA 9060A

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	1.4	1.0	0.30	mg/L

EPA 9056A

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	Chloride	6.28	1.00	0.250	mg/L
14808-79-8	Sulfate	20.8	1.00	0.250	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 13:38	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.36J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.189J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**3.36J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 13:38	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.5	ug/L	85	78 - 130
1868-53-7	Dibromofluoromethane	50	52.2	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.3	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.5	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:23	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.9	ug/L	76	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 19:34	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.75J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251001	**SMFMW-9**	Water	03/24/2014 10:15	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 15:22	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**0.796**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	03/26/2014 06:03	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**13.6**	**2.00**	**0.500**	**mg/L**
14808-79-8	**Sulfate**	**52.0**	**2.00**	**0.500**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:03	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.86J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	**Bromoform**	**0.330J**	**5.00**	**0.215**	**ug/L**
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.161J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.69**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**0.189J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.708J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:03	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.9	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	50.9	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:32	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	30.5	ug/L	75	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 19:57	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**0.35J**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251002	**SMFMW-10**	Water	03/24/2014 12:00	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 16:15	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**3.38**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 06:56	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**17.8**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**5.28**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:27	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**3.61J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	**Bromoform**	**0.322J**	**5.00**	**0.215**	**ug/L**
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**5.69**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**63.8**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**7.59**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2.95J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:27	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.7	ug/L	83	78 - 130
1868-53-7	Dibromofluoromethane	50	53.2	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.5	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.3	ug/L	105	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:39	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	36.5	ug/L	90	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 20:20	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:14	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**8.63**	**1.00**	**0.250**	**mg/L**
14797-55-8	**Nitrate**	**6.82**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251003	**DPMW-25**	Water	03/24/2014 10:53	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:14	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14808-79-8	**Sulfate**	**17.4**	**1.00**	**0.250**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:51	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**1.96J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	**Bromodichloromethane**	**0.381J**	**5.00**	**0.083**	**ug/L**
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	**Chloroform**	**10.9**	**5.00**	**0.155**	**ug/L**
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	**Methylene chloride**	**0.286J**	**5.00**	**0.149**	**ug/L**
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**15.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.41J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 14:51	LBH	528766

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	42.7	ug/L	85	78 - 130
1868-53-7	Dibromofluoromethane	50	53.2	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	53.7	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 13:44	JAR	529262

CAS#	Parameter	Result	RDL	MDL	Units
74-84-0	Ethane	0.087U	1.00	0.087	ug/L
74-85-1	Ethene	0.071U	1.00	0.071	ug/L
74-82-8	Methane	0.435U	2.00	0.435	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.5	35.3	ug/L	87	40 - 143

EPA 9060A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/30/2014 20:44	KLC2	528719

CAS#	Parameter	Result	RDL	MDL	Units
C-012	**Total Organic Carbon**	**1.4**	**1.0**	**0.30**	**mg/L**

SM 4500-S2 F-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2014 14:10	DMT	528548

CAS#	Parameter	Result	RDL	MDL	Units
18496-25-8	Sulfide	2.00U	2.00	2.00	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403251004	**DPMW-28**	Water	03/24/2014 13:13	03/25/2014 10:30

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/25/2014 16:50	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
14797-55-8	**Nitrate**	**2.04**	**0.200**	**0.050**	**mg/L**

EPA 9056A

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	03/26/2014 07:31	AEL	528349

CAS#	Parameter	Result	RDL	MDL	Units
16887-00-6	**Chloride**	**6.28**	**1.00**	**0.250**	**mg/L**
14808-79-8	**Sulfate**	**20.8**	**1.00**	**0.250**	**mg/L**

GC/MS Volatiles Quality Control Summary

Analytical Batch 528766	**Client ID**	MB528766	LCS528766	LCSD528766
Prep Batch N/A	**GCAL ID**	1298726	1298727	1298728
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/30/2014 13:14	03/30/2014 10:50	03/30/2014 11:14
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	1.77J	0.193	50.0	38.3	77	44 - 156	48.7	97	24	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	52.3	105	74 - 125	54.6	109	4	30
75-25-2	Bromoform	0.240J	0.215	50.0	45.2	90	64 - 122	48.6	97	7	30
74-83-9	Bromomethane	0.427U	0.427	50.0	60.6	121	47 - 138	78.5	**157***	26	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	57.5	115	69 - 136	58.0	116	1	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.8	106	76 - 128	52.6	105	0	30
75-00-3	Chloroethane	0.235U	0.235	50.0	58.3	117	62 - 141	59.4	119	2	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	102	102	74 - 126	105	105	3	30
67-66-3	Chloroform	0.155U	0.155	50.0	50.6	101	75 - 122	52.7	105	4	30
74-87-3	Chloromethane	0.144U	0.144	50.0	66.7	**133***	59 - 132	72.2	**144***	8	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	47.5	95	71 - 123	50.3	101	6	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	50.9	102	58 - 140	53.6	107	5	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	53.5	107	74 - 127	57.3	115	7	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	50.9	102	71 - 129	54.7	109	7	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	53.2	106	73 - 130	55.3	111	4	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	54.6	109	69 - 132	59.3	119	8	30
75-09-2	Methylene chloride	0.201J	0.149	50.0	55.3	111	68 - 132	62.6	125	12	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	51.6	103	72 - 128	55.2	110	7	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	50.8	102	71 - 132	53.1	106	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	48.4	97	71 - 131	52.4	105	8	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	51.9	104	74 - 126	52.3	105	1	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	40.3	81	50 - 135	48.1	96	18	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	51.2	102	71 - 125	51.5	103	1	30
78-93-3	2-Butanone	0.142U	0.142	50.0	44.5	89	58 - 137	52.3	105	16	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	48.0	96	57 - 132	56.2	112	16	30
100-42-5	Styrene	0.089U	0.089	50.0	50.5	101	71 - 127	52.4	105	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	47.9	96	68 - 128	47.0	94	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	55.7	111	70 - 122	61.1	122	9	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	46.1	92	61 - 135	48.5	97	5	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.6	103	76 - 126	52.3	105	1	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	47.5	95	72 - 121	51.3	103	8	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	53.0	106	72 - 136	56.5	113	6	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	51.4	103	68 - 132	59.4	119	14	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	528766	**Client ID**	MB528766			LCS528766				LCSD528766		
Prep Batch	N/A	**GCAL ID**	1298726			1298727				1298728		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/30/2014 13:14			03/30/2014 10:50				03/30/2014 11:14		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**		**Result**		**Control**		**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**		**% R**		**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0		50.0	100	73 -	130	51.2	102	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0		41.9	84	57 -	121	48.5	97	15	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0		46.5	93	70 -	124	50.2	100	8	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0		44.8	90	54 -	147	47.1	94	5	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0		49.8	100	71 -	125	55.7	111	11	30
1330-20-7	Xylene (total)	0.179U	0.179	150		152	101	74 -	127	156	104	3	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0		58.1	116	67 -	138	56.8	114	2	30
110-82-7	Cyclohexane	0.337U	0.337	50.0		59.1	118	69 -	132	58.2	116	2	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0		56.0	112	57 -	139	64.8	130	15	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0		57.3	115	72 -	136	56.8	114	1	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0		42.5	85	56 -	124	48.2	96	13	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0		49.6	99	74 -	126	51.7	103	4	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0		48.8	98	72 -	122	50.0	100	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0		50.9	102	71 -	126	53.0	106	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0		54.1	108	69 -	129	55.1	110	2	20
71-43-2	Benzene	0.111U	0.111	50.0		54.9	110	70 -	129	55.7	111	1	20
79-01-6	Trichloroethene	0.161U	0.161	50.0		48.3	97	76 -	129	50.5	101	4	20
108-88-3	Toluene	0.122U	0.122	50.0		50.6	101	72 -	120	51.9	104	3	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0		49.3	99	74 -	123	51.0	102	3	20
Surrogate													
460-00-4	4-Bromofluorobenzene	42.3	85	50		46.2	92	78 -	130	46.5	93		
1868-53-7	Dibromofluoromethane	52.5	105	50		51.3	103	77 -	127	51	102		
2037-26-5	Toluene d8	53.7	107	50		47.6	95	76 -	134	47	94		
17060-07-0	1,2-Dichloroethane-d4	51	102	50		51.2	102	71 -	127	52.4	105		

General Chromatography Quality Control Summary

Analytical Batch	529262	**Client ID**	MB529262	LCS529262	LCSD529262
Prep Batch	N/A	**GCAL ID**	1301214	1301215	1301216
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	04/04/2014 12:54	04/04/2014 13:00	04/04/2014 13:14
		Matrix	Water	Water	Water

EPA RSK-175		**Units**	ug/L	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
74-82-8	Methane	0.435U	0.435	17.5	14.8	85	39 - 120	15.5	89	5	27
74-85-1	Ethene	0.071U	0.071	3.06	2.81	92	45 - 134	2.96	97	5	25
74-84-0	Ethane	0.087U	0.087	3.28	2.89	88	45 - 128	3.03	92	5	29
Surrogate											
115-07-1	Propene	31.1	77	40.5	27.1	67	40 - 143	28.1	69		

General Chemistry Quality Control Summary

Analytical Batch	528719	Client ID	MB528719			LCS528719		
Prep Batch	N/A	GCAL ID	1298503			1298504		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/30/2014 10:01			03/30/2014 09:09		
		Matrix	Water			Water		
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
C-012	Total Organic Carbon	0.30U	0.30	50.0	50.9	102	80 - 120	

Analytical Batch	528719	Client ID	OU7-MW-83-210314D			1296686MS			1296686MSD			
Prep Batch	N/A	GCAL ID	21403255203			1298507			1298508			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 22:58			03/30/2014 23:23			03/30/2014 23:48			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**	
C-012	Total Organic Carbon	5.0	0.30	50.0	56.3	103	75 - 125	58.8	108	4	25	

Analytical Batch	528719	Client ID	OU6-MW-152-190314			1295974MS			1295974MSD			
Prep Batch	N/A	GCAL ID	21403240103			1298731			1298732			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/30/2014 11:54			03/30/2014 12:46			03/30/2014 13:08			
		Matrix	Water			Water			Water			
EPA 9060A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**		**RPD**	**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**	
C-012	Total Organic Carbon	0.87	0.30	50.0	54.8	108	75 - 125	56.0	110	2	25	

General Chemistry Quality Control Summary

Analytical Batch	528548	**Client ID**	MB528548			LCS528548		
Prep Batch	N/A	**GCAL ID**	1297632			1297633		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	2.00U	2.00	25.0	24.5	98	80 - 120	

Analytical Batch	528548	**Client ID**	SMFMW-17			1295848MS		
Prep Batch	N/A	**GCAL ID**	21403221701			1297634		
		Sample Type	SAMPLE			MS		
		Analytical Date	03/27/2014 14:10			03/27/2014 14:10		
		Matrix	Water			Water		
SM 4500-S2 F-2011		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
18496-25-8	Sulfide	0.000	2.00	25.0	24.3	97	75 - 125	

Analytical Batch	528548	**Client ID**	SMFMW-7	1295854DUP			
Prep Batch	N/A	**GCAL ID**	21403221704	1297635			
		Sample Type	SAMPLE	DUP			
		Analytical Date	03/27/2014 14:10	03/27/2014 14:10			
		Matrix	Water	Water			
SM 4500-S2 F-2011		**Units**	mg/L	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
18496-25-8	Sulfide	0.000	2.00	0.000	0	25	

General Chemistry Quality Control Summary

Analytical Batch	528349	**Client ID**	MB528349			LCS528349		
Prep Batch	N/A	**GCAL ID**	1296517			1296518		
		Sample Type	Method Blank			LCS		
		Analytical Date	03/25/2014 14:47			03/25/2014 14:29		
		Matrix	Water			Water		
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
16887-00-6	Chloride	0.050U	0.050	2.50	2.76	110	80 - 120	
14797-55-8	Nitrate	0.050U	0.050	2.50	2.38	95	80 - 120	
14808-79-8	Sulfate	0.050U	0.050	2.50	2.52	101	80 - 120	

Analytical Batch	528349	**Client ID**	SMFMW-9			1296478MS			1296478MSD			
Prep Batch	N/A	**GCAL ID**	21403251001			1296519			1296520			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/25/2014 15:22			03/25/2014 15:40			03/25/2014 15:58			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
14797-55-8	Nitrate	0.796	0.050	2.50	3.12	93	80 - 120	3.10	92	1	15

Analytical Batch	528349	**Client ID**	SMFMW-9			1296478MS			1296478MSD			
Prep Batch	N/A	**GCAL ID**	21403251001			1296519			1296520			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	03/26/2014 06:03			03/26/2014 06:21			03/26/2014 06:38			
		Matrix	Water			Water			Water			
EPA 9056A		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
16887-00-6	Chloride	13.6	0.500	25.0	38.0	98	80 - 120	38.2	99	0	15
14808-79-8	Sulfate	52.0	0.500	25.0	77.6	103	80 - 120	77.8	103	0	15

CHAIN OF CUSTODY RECORD

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032510
Due Date: 04/03/14

Report to:
Client: AMEC E+I
Address: 396 Plasters Ave
Atlanta, GA 30324
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 3.0 @ 24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B (3)	TOC (2)	Methane, Ethane, Ethene (2)	Chloride, Sulfate (1)	*NITRATE* (1)	Sulfate (1)	Preservative
W	3/24	1015		X	SMFMW-9		X	X	X	X	X	X	1
↓	↓	1200			SMFMW-10		↓	↓	↓	↓	↓	↓	2
↓	↓	1053			DPMW-25		↓	↓	↓	↓	↓	↓	3
↓	↓	1313			DPMW-28		↓	↓	↓	↓	↓	↓	4

Air Bill No: ~~7F~~ 7983 - 1741 - ~~6416~~ 7382

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/24/14	1521	AMEC	3/24/14	14:18
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/24/14		FedEx	3/24/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/25/14	1030		3/25/14	1030

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue
*Requires prior approval, rush charges may apply.
We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032510

SAMPLE DELIVERY GROUP 214032510	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Brown, Aaron D.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/25/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7983 1741 7384		3.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/07/2014

GCAL Report 214032626

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032626

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 529246, the LCS and/or LCSD recoveries are above the upper control limit for Dichlorodifluoromethane. This compound was not detected in the associated samples. Dichlorodifluoromethane exhibited a %D value of 148 in the CCV. Dichlorodifluoromethane was not detected during sample analysis.

In the EPA 8260B analysis for analytical batch 529337, the LCS and/or LCSD recoveries are above the upper control limit for Dichlorodifluoromethane. This compound was not detected in the associated samples. The LCS/LCSD RPD is above the control limit for Dichlorodifluoromethane. Dichlorodifluoromethane exhibited a %D value of 153 in the CCV. Dichlorodifluoromethane was not detected during sample analysis.

MISCELLANEOUS

Sample 21403262616 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager after receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032626

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	S1	Water	03/25/2014 09:08	03/26/2014 10:20
21403262602	S6	Water	03/25/2014 09:33	03/26/2014 10:20
21403262603	S10	Water	03/25/2014 09:47	03/26/2014 10:20
21403262604	S9	Water	03/25/2014 10:00	03/26/2014 10:20
21403262605	S11	Water	03/25/2014 10:09	03/26/2014 10:20
21403262606	S12	Water	03/25/2014 10:26	03/26/2014 10:20
21403262607	S13	Water	03/25/2014 10:32	03/26/2014 10:20
21403262608	S14	Water	03/25/2014 10:42	03/26/2014 10:20
21403262609	DUP-6	Water	03/25/2014 12:00	03/26/2014 10:20
21403262610	S15	Water	03/25/2014 10:56	03/26/2014 10:20
21403262611	S16	Water	03/25/2014 11:05	03/26/2014 10:20
21403262612	S17	Water	03/25/2014 11:15	03/26/2014 10:20
21403262613	S18	Water	03/25/2014 11:25	03/26/2014 10:20
21403262614	S19	Water	03/25/2014 11:35	03/26/2014 10:20
21403262615	PB	Water	03/25/2014 11:45	03/26/2014 10:20
21403262616	TRIP BLANK	Water	03/25/2014 00:00	03/26/2014 10:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	19.5	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	15.1	5.00	0.120	ug/L
67-64-1	Acetone	19.7	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	15.5	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	8.82	5.00	0.120	ug/L
67-64-1	Acetone	16.5	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	4.33J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.55J	5.00	0.161	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.63	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.24J	5.00	0.120	ug/L
67-64-1	Acetone	11.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	7.38	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.896J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	12.4	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	5.83	5.00	0.120	ug/L
67-64-1	Acetone	13.5	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	7.18	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.726J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.91	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.14J	5.00	0.120	ug/L
67-64-1	Acetone	10.3	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.24	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.79J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.19J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.94	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.13J	5.00	0.120	ug/L
67-64-1	Acetone	11.6	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.08	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.96J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.04J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.91	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.85J	5.00	0.120	ug/L
67-64-1	Acetone	13.0	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.98	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.22J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.26J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.20	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.68J	5.00	0.120	ug/L
67-64-1	Acetone	10.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	9.73	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.37J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.25J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.08	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.95J	5.00	0.120	ug/L
67-64-1	Acetone	11.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	9.17	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.54J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.25J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	8.98	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.55J	5.00	0.120	ug/L
67-64-1	Acetone	13.3	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.36J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.52J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.14	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.75J	5.00	0.120	ug/L
67-64-1	Acetone	11.6	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.65J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.66J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	8.50	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.03J	5.00	0.120	ug/L
67-64-1	Acetone	10.2	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.51J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.76J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	7.64	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	2.52J	5.00	0.120	ug/L
67-64-1	Acetone	9.18	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	10.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.41J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.49J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	7.89	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	2.42J	5.00	0.120	ug/L
67-64-1	Acetone	9.22	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	10.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.05J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.39J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	4.31J	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	0.805J	5.00	0.120	ug/L
67-64-1	Acetone	5.53	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	6.54	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.72J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.925J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.64J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 15:38	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**19.5**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**15.1**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**19.7**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 15:38	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.6	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.4	ug/L	97	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:01	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**15.5**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**8.82**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**16.5**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.33J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.55J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:01	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.3	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:24	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.63**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.24J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.38**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.896J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:24	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.7	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.3	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.6	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:46	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**12.4**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**5.83**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.5**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.18**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.726J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:46	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.3	ug/L	109	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 17:10	CLH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.91**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.14J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.3**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.24**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.79J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.19J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 17:10	CLH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.2	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	52.8	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.8	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.5	ug/L	97	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:30	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.94**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.13J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.6**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.08**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.96J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.04J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:30	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.8	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:53	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.91**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.85J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.0**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.98**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.22J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.26J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:53	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.4	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52.6	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	54.1	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:15	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.20**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.68J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**9.73**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.37J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.25J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:15	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	54.2	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	54.2	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.9	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:39	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.08**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.95J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**9.17**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.54J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.25J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:39	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.8	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	52.9	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.1	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:01	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**8.98**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.55J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.3**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.36J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.52J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:01	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.5	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	51.3	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	54.3	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:24	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.14**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.75J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.6**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.65J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.66J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:24	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.4	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:46	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**8.50**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.03J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.2**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.51J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.76J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:46	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.1	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:10	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**7.64**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**2.52J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**9.18**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**10.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.41J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.49J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:10	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.3	ug/L	109	78 - 130
1868-53-7	Dibromofluoromethane	50	51.5	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	56.4	ug/L	113	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.9	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:33	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**7.89**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**2.42J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**9.22**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**10.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.05J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.39J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:33	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.2	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.3	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.5	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:55	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**4.31J**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**0.805J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**5.53**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.54**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.72J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.925J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:55	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.9	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.2	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.2	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/05/2014 00:18	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/05/2014 00:18	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.9	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 529246	**Client ID**	MB529246	LCS529246	LCSD529246
Prep Batch N/A	**GCAL ID**	1301144	1301145	1301146
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 09:57	04/04/2014 08:28	04/04/2014 08:50
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	47.1	94	44 - 156	52.8	106	11	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	49.4	99	74 - 125	47.3	95	4	30
75-25-2	Bromoform	0.215U	0.215	50.0	53.4	107	64 - 122	54.1	108	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.5	91	47 - 138	54.3	109	18	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	51.0	102	69 - 136	47.1	94	8	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.6	105	76 - 128	49.2	98	7	30
75-00-3	Chloroethane	0.235U	0.235	50.0	58.4	117	62 - 141	55.4	111	5	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	112	112	74 - 126	107	107	5	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.8	96	75 - 122	46.5	93	3	30
74-87-3	Chloromethane	0.144U	0.144	50.0	48.2	96	59 - 132	49.5	99	3	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.0	100	71 - 123	50.7	101	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	73.9	**148***	58 - 140	81.8	**164***	10	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	46.7	93	74 - 127	45.8	92	2	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	46.1	92	71 - 129	44.7	89	3	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	47.2	94	73 - 130	46.0	92	3	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	48.3	97	69 - 132	46.4	93	4	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	47.1	94	68 - 132	46.3	93	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	47.6	95	72 - 128	47.0	94	1	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	51.4	103	71 - 132	49.5	99	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	50.4	101	71 - 131	48.9	98	3	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	53.3	107	74 - 126	50.9	102	5	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	44.1	88	50 - 135	49.5	99	12	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	49.1	98	71 - 125	46.1	92	6	30
78-93-3	2-Butanone	0.142U	0.142	50.0	43.3	87	58 - 137	47.4	95	9	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.9	90	57 - 132	49.7	99	10	30
100-42-5	Styrene	0.089U	0.089	50.0	49.2	98	71 - 127	47.7	95	3	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	52.7	105	68 - 128	51.6	103	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	43.9	88	70 - 122	46.6	93	6	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	48.4	97	61 - 135	48.4	97	0	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	49.8	100	76 - 126	47.4	95	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.0	98	72 - 121	48.6	97	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	48.5	97	72 - 136	44.8	90	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	54.2	108	68 - 132	51.1	102	6	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 529246	**Client ID**	MB529246	LCS529246	LCSD529246
Prep Batch N/A	**GCAL ID**	1301144	1301145	1301146
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 09:57	04/04/2014 08:28	04/04/2014 08:50
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	55.3	111	73 - 130	53.4	107	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	44.2	88	57 - 121	50.9	102	14	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.2	98	70 - 124	49.9	100	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	65.5	131	54 - 147	64.8	130	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	48.9	98	71 - 125	51.0	102	4	30
1330-20-7	Xylene (total)	0.179U	0.179	150	168	112	74 - 127	160	107	5	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	49.1	98	67 - 138	44.1	88	11	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	47.3	95	69 - 132	43.3	87	9	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	40.5	81	57 - 139	45.2	90	11	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	51.9	104	72 - 136	49.6	99	5	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	40.4	81	56 - 124	40.6	81	1	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.8	102	74 - 126	49.2	98	3	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.7	101	72 - 122	49.7	99	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.5	105	71 - 126	51.4	103	2	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	48.9	98	69 - 129	48.1	96	2	20
71-43-2	Benzene	0.111U	0.111	50.0	49.9	100	70 - 129	48.5	97	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	55.1	110	76 - 129	51.3	103	7	20
108-88-3	Toluene	0.122U	0.122	50.0	49.2	98	72 - 120	48.1	96	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.5	105	74 - 123	50.6	101	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	53.9	108	50	54.9	110	78 - 130	55.9	112		
1868-53-7	Dibromofluoromethane	52.7	105	50	51.3	103	77 - 127	51.4	103		
2037-26-5	Toluene d8	53.6	107	50	48.9	98	76 - 134	49.5	99		
17060-07-0	1,2-Dichloroethane-d4	49	98	50	47.9	96	71 - 127	47.3	95		

GC/MS Volatiles Quality Control Summary

Analytical Batch 529337	**Client ID**	MB529337	LCS529337	LCSD529337
Prep Batch N/A	**GCAL ID**	1301735	1301736	1301737
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 20:08	04/04/2014 18:39	04/04/2014 19:01
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	48.7	97	44 - 156	47.7	95	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.3	103	74 - 125	47.9	96	7	30
75-25-2	Bromoform	0.215U	0.215	50.0	53.7	107	64 - 122	53.7	107	0	30
74-83-9	Bromomethane	0.427U	0.427	50.0	58.1	116	47 - 138	56.6	113	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.6	105	69 - 136	47.7	95	10	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	53.3	107	76 - 128	49.7	99	7	30
75-00-3	Chloroethane	0.235U	0.235	50.0	60.7	121	62 - 141	53.7	107	12	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	116	116	74 - 126	112	112	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	49.9	100	75 - 122	47.3	95	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	53.3	107	59 - 132	53.4	107	0	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.5	103	71 - 123	50.8	102	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	76.3	**153***	58 - 140	82.7	**165***	8	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	48.6	97	74 - 127	46.4	93	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	47.9	96	71 - 129	45.8	92	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	49.0	98	73 - 130	46.7	93	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	50.6	101	69 - 132	47.2	94	7	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.2	96	68 - 132	46.8	94	3	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	50.0	100	72 - 128	48.1	96	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	52.7	105	71 - 132	50.6	101	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	53.0	106	71 - 131	48.9	98	8	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	55.6	111	74 - 126	53.5	107	4	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	44.4	89	50 - 135	45.3	91	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	50.9	102	71 - 125	47.6	95	7	30
78-93-3	2-Butanone	0.142U	0.142	50.0	44.2	88	58 - 137	42.1	84	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	45.3	91	57 - 132	45.5	91	0	30
100-42-5	Styrene	0.089U	0.089	50.0	50.5	101	71 - 127	48.7	97	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	54.6	109	68 - 128	53.4	107	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	42.9	86	70 - 122	43.3	87	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	48.7	97	61 - 135	46.6	93	4	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.0	102	76 - 126	47.4	95	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	50.4	101	72 - 121	49.2	98	2	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.5	101	72 - 136	44.9	90	12	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	56.9	114	68 - 132	51.4	103	10	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	529337	**Client ID**	MB529337			LCS529337				LCSD529337		
Prep Batch	N/A	**GCAL ID**	1301735			1301736				1301737		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/04/2014 20:08			04/04/2014 18:39				04/04/2014 19:01		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	57.3	115	73 -	130	54.7	109	5	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	44.2	88	57 -	121	45.8	92	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.7	101	70 -	124	50.7	101	0	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	39.7	79	54 -	147	40.2	80	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.2	102	71 -	125	49.7	99	3	30
1330-20-7	Xylene (total)	0.179U	0.179	150	174	116	74 -	127	167	111	4	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.5	103	67 -	138	44.5	89	15	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	48.6	97	69 -	132	42.7	85	13	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	45.9	92	57 -	139	47.8	96	4	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	53.0	106	72 -	136	50.0	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	34.8	70	56 -	124	34.5	69	1	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.1	104	74 -	126	48.9	98	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.9	104	72 -	122	49.4	99	5	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	53.3	107	71 -	126	51.0	102	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.6	103	69 -	129	49.3	99	5	20
71-43-2	Benzene	0.111U	0.111	50.0	51.9	104	70 -	129	49.5	99	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	57.5	115	76 -	129	53.9	108	6	20
108-88-3	Toluene	0.122U	0.122	50.0	50.7	101	72 -	120	50.4	101	1	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	54.0	108	74 -	123	51.7	103	4	20
Surrogate												
460-00-4	4-Bromofluorobenzene	54.6	109	50	56.1	112	78 -	130	56.4	113		
1868-53-7	Dibromofluoromethane	52	104	50	52.1	104	77 -	127	50.7	101		
2037-26-5	Toluene d8	54.6	109	50	48.6	97	76 -	134	50.1	100		
17060-07-0	1,2-Dichloroethane-d4	48.3	97	50	48.1	96	71 -	127	47.5	95		

CHAIN OF CUSTODY RECORD

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GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032626
Due Date: 04/04/14

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address:	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

Analytical Requests & Method: VOCs 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 0.5 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	Preservative
W	3/25	0908		X	S1	3	X	1
		0933			S6			2
		0947			S10			3
		1000			S9			4
		1009			S11			5
		1026			S12			6
		1032			S13			7
		1042			S14			8
		1200			DUP-6			9
		1056			S15			10
		1105			S16			11
		1115			S17			12
		1125			S18			13

Air Bill No: 7983 2855 6738

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/25/14	1240	Hugo Alvez	3/25/14	17:40
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			FedEx	3/25/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/25/14	1020		3/26/14	1020

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

CHAIN OF CUSTODY RECORD

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GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032626
Due Date: 04/04/14

Report to:
Client: AMEC E&I
Address:
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 0.5 E 24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	Preservative
W	3/25	1135		X	S19		X	14
"	"	1145		X	PB		X	15
W	3/25	—		X	Trip Blank		X	16

Air Bill No:

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/25/14	1240	AMEC	3/25/14	12:40
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			FedEx	3/25/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/26/14	1070		3/26/14	1020

Note: * added Trip Blank 3/29 (SH)

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

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GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032626

SAMPLE DELIVERY GROUP 214032626	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/26/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7983 2855 6738		0.5

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER L13-190

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/07/2014

GCAL Report 214032626

Deliver To	AMEC E&I 396 Plasters Ave NE Atlanta, GA 30324 770-547-4409
Attn	Daniel Morris

Project Woodall Creek Baseline Samplin

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Report:** 214032626

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 529246, the LCS and/or LCSD recoveries are above the upper control limit for Dichlorodifluoromethane. This compound was not detected in the associated samples. Dichlorodifluoromethane exhibited a %D value of 148 in the CCV. Dichlorodifluoromethane was not detected during sample analysis.

In the EPA 8260B analysis for analytical batch 529337, the LCS and/or LCSD recoveries are above the upper control limit for Dichlorodifluoromethane. This compound was not detected in the associated samples. The LCS/LCSD RPD is above the control limit for Dichlorodifluoromethane. Dichlorodifluoromethane exhibited a %D value of 153 in the CCV. Dichlorodifluoromethane was not detected during sample analysis.

MISCELLANEOUS

Sample 21403262616 (TRIP BLANK) was received but was not listed on the chain of custody. The client was contacted and authorized proceeding with analysis. This sample has been added to the COC by the Project Manager after receipt.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and RDL
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Authorized Signature
GCAL REPORT 214032626

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	S1	Water	03/25/2014 09:08	03/26/2014 10:20
21403262602	S6	Water	03/25/2014 09:33	03/26/2014 10:20
21403262603	S10	Water	03/25/2014 09:47	03/26/2014 10:20
21403262604	S9	Water	03/25/2014 10:00	03/26/2014 10:20
21403262605	S11	Water	03/25/2014 10:09	03/26/2014 10:20
21403262606	S12	Water	03/25/2014 10:26	03/26/2014 10:20
21403262607	S13	Water	03/25/2014 10:32	03/26/2014 10:20
21403262608	S14	Water	03/25/2014 10:42	03/26/2014 10:20
21403262609	DUP-6	Water	03/25/2014 12:00	03/26/2014 10:20
21403262610	S15	Water	03/25/2014 10:56	03/26/2014 10:20
21403262611	S16	Water	03/25/2014 11:05	03/26/2014 10:20
21403262612	S17	Water	03/25/2014 11:15	03/26/2014 10:20
21403262613	S18	Water	03/25/2014 11:25	03/26/2014 10:20
21403262614	S19	Water	03/25/2014 11:35	03/26/2014 10:20
21403262615	PB	Water	03/25/2014 11:45	03/26/2014 10:20
21403262616	TRIP BLANK	Water	03/25/2014 00:00	03/26/2014 10:20

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	19.5	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	15.1	5.00	0.120	ug/L
67-64-1	Acetone	19.7	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	15.5	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	8.82	5.00	0.120	ug/L
67-64-1	Acetone	16.5	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	4.33J	5.00	0.193	ug/L
79-01-6	Trichloroethene	1.55J	5.00	0.161	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.63	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.24J	5.00	0.120	ug/L
67-64-1	Acetone	11.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	7.38	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.896J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	12.4	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	5.83	5.00	0.120	ug/L
67-64-1	Acetone	13.5	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	7.18	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.44J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.726J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.91	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.14J	5.00	0.120	ug/L
67-64-1	Acetone	10.3	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.24	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.79J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.19J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.94	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	4.13J	5.00	0.120	ug/L
67-64-1	Acetone	11.6	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.08	5.00	0.193	ug/L
79-01-6	Trichloroethene	3.96J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.04J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.91	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.85J	5.00	0.120	ug/L
67-64-1	Acetone	13.0	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	8.98	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.22J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.26J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.20	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.68J	5.00	0.120	ug/L
67-64-1	Acetone	10.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	9.73	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.37J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.25J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.08	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.95J	5.00	0.120	ug/L
67-64-1	Acetone	11.1	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	9.17	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.54J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.25J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	8.98	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.55J	5.00	0.120	ug/L
67-64-1	Acetone	13.3	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.36J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.52J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	9.14	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.75J	5.00	0.120	ug/L
67-64-1	Acetone	11.6	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.65J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.66J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	8.50	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	3.03J	5.00	0.120	ug/L
67-64-1	Acetone	10.2	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	11.3	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.51J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.76J	5.00	0.103	ug/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	7.64	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	2.52J	5.00	0.120	ug/L
67-64-1	Acetone	9.18	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	10.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.41J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.49J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	7.89	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	2.42J	5.00	0.120	ug/L
67-64-1	Acetone	9.22	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	10.1	5.00	0.193	ug/L
79-01-6	Trichloroethene	4.05J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	1.39J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	4.31J	5.00	0.142	ug/L
108-10-1	4-Methyl-2-pentanone	0.805J	5.00	0.120	ug/L
67-64-1	Acetone	5.53	5.00	0.193	ug/L
127-18-4	Tetrachloroethene	6.54	5.00	0.193	ug/L
79-01-6	Trichloroethene	2.72J	5.00	0.161	ug/L
156-59-2	cis-1,2-Dichloroethene	0.925J	5.00	0.103	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	2.64J	5.00	0.193	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 15:38	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**19.5**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**15.1**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**19.7**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262601	**S1**	Water	03/25/2014 09:08	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 15:38	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.6	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	51.9	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.4	ug/L	97	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:01	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**15.5**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**8.82**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**16.5**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**4.33J**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**1.55J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262602	**S6**	Water	03/25/2014 09:33	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:01	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.3	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:24	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.63**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.24J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.38**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.896J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262603	**S10**	Water	03/25/2014 09:47	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:24	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.7	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	54.3	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.6	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:46	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**12.4**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**5.83**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.5**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**7.18**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.44J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.726J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262604	**S9**	Water	03/25/2014 10:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 16:46	KRH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.3	ug/L	109	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 17:10	CLH	529246

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.91**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.14J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.3**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.24**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.79J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.19J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262605	**S11**	Water	03/25/2014 10:09	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 17:10	CLH	529246

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.2	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	52.8	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.8	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.5	ug/L	97	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:30	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.94**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**4.13J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.6**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.08**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**3.96J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.04J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262606	**S12**	Water	03/25/2014 10:26	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:30	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.8	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:53	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.91**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.85J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.0**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**8.98**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.22J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.26J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262607	**S13**	Water	03/25/2014 10:32	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 20:53	JCK	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.4	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52.6	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	54.1	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:15	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.20**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.68J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**9.73**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.37J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.25J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262608	**S14**	Water	03/25/2014 10:42	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:15	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	54.2	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	54.2	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.9	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:39	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.08**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.95J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.1**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**9.17**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.54J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.25J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262609	**DUP-6**	Water	03/25/2014 12:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 21:39	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52.8	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	52.9	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.1	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:01	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**8.98**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.55J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**13.3**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.36J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.52J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262610	**S15**	Water	03/25/2014 10:56	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:01	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.5	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	51.3	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	54.3	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:24	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**9.14**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.75J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**11.6**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.65J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.66J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262611	**S16**	Water	03/25/2014 11:05	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:24	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.4	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:46	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**8.50**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**3.03J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**10.2**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**11.3**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.51J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.76J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262612	**S17**	Water	03/25/2014 11:15	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 22:46	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	55.5	ug/L	111	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.1	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:10	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**7.64**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**2.52J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**9.18**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**10.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.41J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.49J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262613	**S18**	Water	03/25/2014 11:25	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:10	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54.3	ug/L	109	78 - 130
1868-53-7	Dibromofluoromethane	50	51.5	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	56.4	ug/L	113	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.9	ug/L	98	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:33	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**7.89**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**2.42J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**9.22**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**10.1**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**4.05J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.39J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262614	**S19**	Water	03/25/2014 11:35	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:33	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.2	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	53.3	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	54.4	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.5	ug/L	99	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:55	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	**2-Butanone**	**4.31J**	**5.00**	**0.142**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	**4-Methyl-2-pentanone**	**0.805J**	**5.00**	**0.120**	**ug/L**
67-64-1	**Acetone**	**5.53**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	**Tetrachloroethene**	**6.54**	**5.00**	**0.193**	**ug/L**
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	**Trichloroethene**	**2.72J**	**5.00**	**0.161**	**ug/L**
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**0.925J**	**5.00**	**0.103**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262615	**PB**	Water	03/25/2014 11:45	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/04/2014 23:55	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.9	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.2	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.2	ug/L	96	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/05/2014 00:18	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.123U	5.00	0.123	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	5.00	0.109	ug/L
79-00-5	1,1,2-Trichloroethane	0.159U	5.00	0.159	ug/L
75-34-3	1,1-Dichloroethane	0.171U	5.00	0.171	ug/L
75-35-4	1,1-Dichloroethene	0.208U	5.00	0.208	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.105U	5.00	0.105	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	5.00	0.194	ug/L
106-93-4	1,2-Dibromoethane	0.102U	5.00	0.102	ug/L
95-50-1	1,2-Dichlorobenzene	0.135U	5.00	0.135	ug/L
107-06-2	1,2-Dichloroethane	0.116U	5.00	0.116	ug/L
78-87-5	1,2-Dichloropropane	0.150U	5.00	0.150	ug/L
541-73-1	1,3-Dichlorobenzene	0.138U	5.00	0.138	ug/L
106-46-7	1,4-Dichlorobenzene	0.083U	5.00	0.083	ug/L
78-93-3	2-Butanone	0.142U	5.00	0.142	ug/L
110-75-8	2-Chloroethylvinyl ether	0.146U	5.00	0.146	ug/L
591-78-6	2-Hexanone	0.122U	5.00	0.122	ug/L
108-10-1	4-Methyl-2-pentanone	0.120U	5.00	0.120	ug/L
67-64-1	**Acetone**	**2.64J**	**5.00**	**0.193**	**ug/L**
71-43-2	Benzene	0.111U	5.00	0.111	ug/L
75-27-4	Bromodichloromethane	0.083U	5.00	0.083	ug/L
75-25-2	Bromoform	0.215U	5.00	0.215	ug/L
74-83-9	Bromomethane	0.427U	5.00	0.427	ug/L
75-15-0	Carbon disulfide	0.190U	5.00	0.190	ug/L
56-23-5	Carbon tetrachloride	0.248U	5.00	0.248	ug/L
108-90-7	Chlorobenzene	0.083U	5.00	0.083	ug/L
75-00-3	Chloroethane	0.235U	5.00	0.235	ug/L
67-66-3	Chloroform	0.155U	5.00	0.155	ug/L
74-87-3	Chloromethane	0.144U	5.00	0.144	ug/L
110-82-7	Cyclohexane	0.337U	5.00	0.337	ug/L
124-48-1	Dibromochloromethane	0.054U	5.00	0.054	ug/L
75-71-8	Dichlorodifluoromethane	0.145U	5.00	0.145	ug/L
100-41-4	Ethylbenzene	0.109U	5.00	0.109	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.130U	5.00	0.130	ug/L
79-20-9	Methyl Acetate	0.159U	5.00	0.159	ug/L
108-87-2	Methylcyclohexane	0.143U	5.00	0.143	ug/L
75-09-2	Methylene chloride	0.149U	5.00	0.149	ug/L
100-42-5	Styrene	0.089U	5.00	0.089	ug/L
127-18-4	Tetrachloroethene	0.193U	5.00	0.193	ug/L
108-88-3	Toluene	0.122U	5.00	0.122	ug/L
79-01-6	Trichloroethene	0.161U	5.00	0.161	ug/L
75-69-4	Trichlorofluoromethane	0.157U	5.00	0.157	ug/L
76-13-1	Trichlorotrifluoroethane	0.158U	5.00	0.158	ug/L
108-05-4	Vinyl acetate	0.151U	5.00	0.151	ug/L
75-01-4	Vinyl chloride	0.127U	5.00	0.127	ug/L
1330-20-7	Xylene (total)	0.179U	15.0	0.179	ug/L
156-59-2	cis-1,2-Dichloroethene	0.103U	5.00	0.103	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.124U	5.00	0.124	ug/L
136777-61-2	m,p-Xylene	0.123U	10.0	0.123	ug/L
95-47-6	o-Xylene	0.055U	5.00	0.055	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	5.00	0.078	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21403262616	**TRIP BLANK**	Water	03/25/2014 00:00	03/26/2014 10:20

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/05/2014 00:18	CLH	529337

CAS#	Parameter	Result	RDL	MDL	Units
156-60-5	trans-1,2-Dichloroethene	0.077U	5.00	0.077	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	5.00	0.128	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	54	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	54.9	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 529246	**Client ID**	MB529246	LCS529246	LCSD529246
Prep Batch N/A	**GCAL ID**	1301144	1301145	1301146
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 09:57	04/04/2014 08:28	04/04/2014 08:50
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	47.1	94	44 - 156	52.8	106	11	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	49.4	99	74 - 125	47.3	95	4	30
75-25-2	Bromoform	0.215U	0.215	50.0	53.4	107	64 - 122	54.1	108	1	30
74-83-9	Bromomethane	0.427U	0.427	50.0	45.5	91	47 - 138	54.3	109	18	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	51.0	102	69 - 136	47.1	94	8	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	52.6	105	76 - 128	49.2	98	7	30
75-00-3	Chloroethane	0.235U	0.235	50.0	58.4	117	62 - 141	55.4	111	5	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	112	112	74 - 126	107	107	5	30
67-66-3	Chloroform	0.155U	0.155	50.0	47.8	96	75 - 122	46.5	93	3	30
74-87-3	Chloromethane	0.144U	0.144	50.0	48.2	96	59 - 132	49.5	99	3	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	50.0	100	71 - 123	50.7	101	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	73.9	**148***	58 - 140	81.8	**164***	10	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	46.7	93	74 - 127	45.8	92	2	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	46.1	92	71 - 129	44.7	89	3	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	47.2	94	73 - 130	46.0	92	3	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	48.3	97	69 - 132	46.4	93	4	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	47.1	94	68 - 132	46.3	93	2	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	47.6	95	72 - 128	47.0	94	1	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	51.4	103	71 - 132	49.5	99	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	50.4	101	71 - 131	48.9	98	3	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	53.3	107	74 - 126	50.9	102	5	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	44.1	88	50 - 135	49.5	99	12	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	49.1	98	71 - 125	46.1	92	6	30
78-93-3	2-Butanone	0.142U	0.142	50.0	43.3	87	58 - 137	47.4	95	9	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	44.9	90	57 - 132	49.7	99	10	30
100-42-5	Styrene	0.089U	0.089	50.0	49.2	98	71 - 127	47.7	95	3	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	52.7	105	68 - 128	51.6	103	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	43.9	88	70 - 122	46.6	93	6	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	48.4	97	61 - 135	48.4	97	0	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	49.8	100	76 - 126	47.4	95	5	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	49.0	98	72 - 121	48.6	97	1	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	48.5	97	72 - 136	44.8	90	8	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	54.2	108	68 - 132	51.1	102	6	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 529246	**Client ID**	MB529246	LCS529246	LCSD529246
Prep Batch N/A	**GCAL ID**	1301144	1301145	1301146
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 09:57	04/04/2014 08:28	04/04/2014 08:50
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	55.3	111	73 - 130	53.4	107	3	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	44.2	88	57 - 121	50.9	102	14	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	49.2	98	70 - 124	49.9	100	1	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	65.5	131	54 - 147	64.8	130	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	48.9	98	71 - 125	51.0	102	4	30
1330-20-7	Xylene (total)	0.179U	0.179	150	168	112	74 - 127	160	107	5	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	49.1	98	67 - 138	44.1	88	11	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	47.3	95	69 - 132	43.3	87	9	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	40.5	81	57 - 139	45.2	90	11	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	51.9	104	72 - 136	49.6	99	5	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	40.4	81	56 - 124	40.6	81	1	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	50.8	102	74 - 126	49.2	98	3	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	50.7	101	72 - 122	49.7	99	2	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	52.5	105	71 - 126	51.4	103	2	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	48.9	98	69 - 129	48.1	96	2	20
71-43-2	Benzene	0.111U	0.111	50.0	49.9	100	70 - 129	48.5	97	3	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	55.1	110	76 - 129	51.3	103	7	20
108-88-3	Toluene	0.122U	0.122	50.0	49.2	98	72 - 120	48.1	96	2	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	52.5	105	74 - 123	50.6	101	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene	53.9	108	50	54.9	110	78 - 130	55.9	112		
1868-53-7	Dibromofluoromethane	52.7	105	50	51.3	103	77 - 127	51.4	103		
2037-26-5	Toluene d8	53.6	107	50	48.9	98	76 - 134	49.5	99		
17060-07-0	1,2-Dichloroethane-d4	49	98	50	47.9	96	71 - 127	47.3	95		

GC/MS Volatiles Quality Control Summary

Analytical Batch 529337	**Client ID**	MB529337	LCS529337	LCSD529337
Prep Batch N/A	**GCAL ID**	1301735	1301736	1301737
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/04/2014 20:08	04/04/2014 18:39	04/04/2014 19:01
	Matrix	Water	Water	Water

EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.193U	0.193	50.0	48.7	97	44 - 156	47.7	95	2	30
75-27-4	Bromodichloromethane	0.083U	0.083	50.0	51.3	103	74 - 125	47.9	96	7	30
75-25-2	Bromoform	0.215U	0.215	50.0	53.7	107	64 - 122	53.7	107	0	30
74-83-9	Bromomethane	0.427U	0.427	50.0	58.1	116	47 - 138	56.6	113	3	30
75-15-0	Carbon disulfide	0.190U	0.190	50.0	52.6	105	69 - 136	47.7	95	10	30
56-23-5	Carbon tetrachloride	0.248U	0.248	50.0	53.3	107	76 - 128	49.7	99	7	30
75-00-3	Chloroethane	0.235U	0.235	50.0	60.7	121	62 - 141	53.7	107	12	30
136777-61-2	m,p-Xylene	0.123U	0.123	100	116	116	74 - 126	112	112	4	30
67-66-3	Chloroform	0.155U	0.155	50.0	49.9	100	75 - 122	47.3	95	5	30
74-87-3	Chloromethane	0.144U	0.144	50.0	53.3	107	59 - 132	53.4	107	0	30
124-48-1	Dibromochloromethane	0.054U	0.054	50.0	51.5	103	71 - 123	50.8	102	1	30
75-71-8	Dichlorodifluoromethane	0.145U	0.145	50.0	76.3	**153***	58 - 140	82.7	**165***	8	30
75-34-3	1,1-Dichloroethane	0.171U	0.171	50.0	48.6	97	74 - 127	46.4	93	5	30
107-06-2	1,2-Dichloroethane	0.116U	0.116	50.0	47.9	96	71 - 129	45.8	92	4	30
156-59-2	cis-1,2-Dichloroethene	0.103U	0.103	50.0	49.0	98	73 - 130	46.7	93	5	30
156-60-5	trans-1,2-Dichloroethene	0.077U	0.077	50.0	50.6	101	69 - 132	47.2	94	7	30
75-09-2	Methylene chloride	0.149U	0.149	50.0	48.2	96	68 - 132	46.8	94	3	30
78-87-5	1,2-Dichloropropane	0.150U	0.150	50.0	50.0	100	72 - 128	48.1	96	4	30
10061-01-5	cis-1,3-Dichloropropene	0.124U	0.124	50.0	52.7	105	71 - 132	50.6	101	4	30
10061-02-6	trans-1,3-Dichloropropene	0.128U	0.128	50.0	53.0	106	71 - 131	48.9	98	8	30
100-41-4	Ethylbenzene	0.109U	0.109	50.0	55.6	111	74 - 126	53.5	107	4	30
591-78-6	2-Hexanone	0.122U	0.122	50.0	44.4	89	50 - 135	45.3	91	2	30
98-82-8	Isopropylbenzene (Cumene)	0.130U	0.130	50.0	50.9	102	71 - 125	47.6	95	7	30
78-93-3	2-Butanone	0.142U	0.142	50.0	44.2	88	58 - 137	42.1	84	5	30
108-10-1	4-Methyl-2-pentanone	0.120U	0.120	50.0	45.3	91	57 - 132	45.5	91	0	30
100-42-5	Styrene	0.089U	0.089	50.0	50.5	101	71 - 127	48.7	97	4	30
127-18-4	Tetrachloroethene	0.193U	0.193	50.0	54.6	109	68 - 128	53.4	107	2	30
79-34-5	1,1,2,2-Tetrachloroethane	0.109U	0.109	50.0	42.9	86	70 - 122	43.3	87	1	30
120-82-1	1,2,4-Trichlorobenzene	0.105U	0.105	50.0	48.7	97	61 - 135	46.6	93	4	30
71-55-6	1,1,1-Trichloroethane	0.123U	0.123	50.0	51.0	102	76 - 126	47.4	95	7	30
79-00-5	1,1,2-Trichloroethane	0.159U	0.159	50.0	50.4	101	72 - 121	49.2	98	2	30
75-69-4	Trichlorofluoromethane	0.157U	0.157	50.0	50.5	101	72 - 136	44.9	90	12	30
75-01-4	Vinyl chloride	0.127U	0.127	50.0	56.9	114	68 - 132	51.4	103	10	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	529337	**Client ID**	MB529337			LCS529337				LCSD529337		
Prep Batch	N/A	**GCAL ID**	1301735			1301736				1301737		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/04/2014 20:08			04/04/2014 18:39				04/04/2014 19:01		
		Matrix	Water			Water				Water		
EPA 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits**	**% R**		**% R**		**Limit**
95-47-6	o-Xylene	0.055U	0.055	50.0	57.3	115	73 -	130	54.7	109	5	30
96-12-8	1,2-Dibromo-3-chloropropane	0.194U	0.194	50.0	44.2	88	57 -	121	45.8	92	4	30
106-93-4	1,2-Dibromoethane	0.102U	0.102	50.0	50.7	101	70 -	124	50.7	101	0	30
108-05-4	Vinyl acetate	0.151U	0.151	50.0	39.7	79	54 -	147	40.2	80	1	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.078U	0.078	50.0	51.2	102	71 -	125	49.7	99	3	30
1330-20-7	Xylene (total)	0.179U	0.179	150	174	116	74 -	127	167	111	4	30
108-87-2	Methylcyclohexane	0.143U	0.143	50.0	51.5	103	67 -	138	44.5	89	15	30
110-82-7	Cyclohexane	0.337U	0.337	50.0	48.6	97	69 -	132	42.7	85	13	30
79-20-9	Methyl Acetate	0.159U	0.159	50.0	45.9	92	57 -	139	47.8	96	4	30
76-13-1	Trichlorotrifluoroethane	0.158U	0.158	50.0	53.0	106	72 -	136	50.0	100	6	30
110-75-8	2-Chloroethylvinyl ether	0.146U	0.146	50.0	34.8	70	56 -	124	34.5	69	1	30
541-73-1	1,3-Dichlorobenzene	0.138U	0.138	50.0	52.1	104	74 -	126	48.9	98	6	30
106-46-7	1,4-Dichlorobenzene	0.083U	0.083	50.0	51.9	104	72 -	122	49.4	99	5	30
95-50-1	1,2-Dichlorobenzene	0.135U	0.135	50.0	53.3	107	71 -	126	51.0	102	4	30
75-35-4	1,1-Dichloroethene	0.208U	0.208	50.0	51.6	103	69 -	129	49.3	99	5	20
71-43-2	Benzene	0.111U	0.111	50.0	51.9	104	70 -	129	49.5	99	5	20
79-01-6	Trichloroethene	0.161U	0.161	50.0	57.5	115	76 -	129	53.9	108	6	20
108-88-3	Toluene	0.122U	0.122	50.0	50.7	101	72 -	120	50.4	101	1	20
108-90-7	Chlorobenzene	0.083U	0.083	50.0	54.0	108	74 -	123	51.7	103	4	20
Surrogate												
460-00-4	4-Bromofluorobenzene	54.6	109	50	56.1	112	78 -	130	56.4	113		
1868-53-7	Dibromofluoromethane	52	104	50	52.1	104	77 -	127	50.7	101		
2037-26-5	Toluene d8	54.6	109	50	48.6	97	76 -	134	50.1	100		
17060-07-0	1,2-Dichloroethane-d4	48.3	97	50	48.1	96	71 -	127	47.5	95		

CHAIN OF CUSTODY RECORD

Page 1 of 2

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032626
Due Date: 04/04/14

Report to:	**Bill to:**
Client: AMEC E&I	Client:
Address:	Address: See Work Order
Contact: Daniel Morris	Contact:
Phone: 770-547-4409	Phone:
E-mail: daniel.morris@amec.com	E-mail:

P.O. Number:
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

Analytical Requests & Method: VOCs 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 0.5 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	Preservative
W	3/25	0908		X	S1	3	X	1
		0933			S6			2
		0947			S10			3
		1000			S9			4
		1009			S11			5
		1026			S12			6
		1032			S13			7
		1042			S14			8
		1200			DUP-6			9
		1056			S15			10
		1105			S16			11
		1115			S17			12
		1125			S18			13

Air Bill No: 7983 2855 6738

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/25/14	1240	Hugo Alvez	3/25/14	17:40
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			FedEx	3/25/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/25/14	1020		3/26/14	1020

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

CHAIN OF CUSTODY RECORD

Page 2 of 2

GCAL ANALYTICAL LABORATORIES, LLC
7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4829 - AMEC Environment & Infrastructure, Inc.
SDG: 214032626
Due Date: 04/04/14

Report to:
Client: AMEC E&I
Address:
Contact: Daniel Morris
Phone: 770-547-4409
E-mail: daniel.morris@amec.com

Bill to:
Client:
Address: See Work Order
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Woodall Creek Baseline Sampling
Sampled By: Daniel Morris / Mark Andrews

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 0.5 E 24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs 8260B	Preservative
W	3/25	1135		X	S19		X	14
"	"	1145		X	PB		X	15
W	3/25	—		X	Trip Blank		X	16

Air Bill No:

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/25/14	1240	AMEC	3/25/14	12:40
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			FedEx	3/25/14	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FedEx	3/26/14	1070		3/26/14	1020

Note: * added Trip Blank 3/29 (SH)

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214032626

SAMPLE DELIVERY GROUP 214032626	
Client 4829 - AMEC Environment & Infrastructure, Inc.	**Transport Method** FEDEX
Profile Number 249065	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - Water TCL VOCs	**Receive Date(s)** 03/26/14

CHECKLIST	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7983 2855 6738		0.5

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

APPENDIX G

USGS Surface Water Annual Statistics for Woodall Creek and Peachtree Creek

National Water Information System: Web Interface

Click to hide News Bulletins

- Read the Mobile Site Tutorial Try it (http://m.waterdata.usgs.gov) from your mobile device!
- Full News

USGS 02336313 WOODALL CREEK AT DEFOORS FERRY RD, AT ATLANTA, GA

PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site Time-series: Current/Historical Observations | GO

Click to hide station-specific text

The USGS operation and maintenance of this real-time streamgage and water-quality monitor is funded in cooperation with the City of Atlanta, Georgia.

This station managed by the USGS Atlanta Field Office.

Available Parameters	Available Period
All 8 Available Parameters for this site	
00060 Discharge	2007-10-01 2014-06-06
00065 Gage height	2007-10-01 2014-06-06
00045 Precipitation	2007-10-01 2014-06-06
00010 Temperature, water	2007-10-01 2014-06-06
00095 Specific cond at 25C	2007-10-01 2014-06-06
00300 Dissolved oxygen	2007-10-01 2014-06-06
00400 pH	2007-10-01 2014-06-06
63680 Turbidity, Form Neph	2014-01-20 2014-06-06

GO

Output format
- Graph
- Graph w/ stats
- Graph w/o stats
- Graph w/ (up to 3) parms
- Table
- Tab-separated

Days (2)

-- or --

Begin date 2014-03-24

End date 2014-03-26

Summary of all available data for this site

Instantaneous-data availability statement

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/24/2014 00:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.5[P]	328[P]	9
03/24/2014 00:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.4[P]	328[P]	9
03/24/2014 00:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	329[P]	9
03/24/2014 00:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.2[P]	329[P]	9
03/24/2014 01:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	330[P]	9
03/24/2014 01:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	329[P]	9
03/24/2014 01:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.0[P]	329[P]	9
03/24/2014 01:45 EDT	1.2[P]	0.60[P]	0.00[P]	10.9[P]	330[P]	9
03/24/2014 02:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.8[P]	330[P]	9
03/24/2014 02:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.7[P]	330[P]	9
03/24/2014 02:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.7[P]	330[P]	9
03/24/2014 02:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.6[P]	330[P]	9
03/24/2014 03:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.5[P]	330[P]	9
03/24/2014 03:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.4[P]	331[P]	9
03/24/2014 03:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	331[P]	9
03/24/2014 03:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	331[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/24/2014 04:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.2[P]	331[P]	9
03/24/2014 04:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.1[P]	331[P]	9
03/24/2014 04:30 EDT	1.3[P]	0.61[P]	0.00[P]	10[P]	331[P]	9
03/24/2014 04:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.9[P]	331[P]	9
03/24/2014 05:00 EDT	1.2[P]	0.60[P]	0.00[P]	9.8[P]	331[P]	9
03/24/2014 05:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	331[P]	9
03/24/2014 05:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.7[P]	331[P]	9
03/24/2014 05:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.6[P]	331[P]	9
03/24/2014 06:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.4[P]	332[P]	9
03/24/2014 06:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.4[P]	332[P]	9
03/24/2014 06:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.3[P]	331[P]	9
03/24/2014 06:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.2[P]	332[P]	9
03/24/2014 07:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.1[P]	332[P]	9
03/24/2014 07:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.0[P]	332[P]	9
03/24/2014 07:30 EDT	1.3[P]	0.61[P]	0.00[P]	8.9[P]	332[P]	9
03/24/2014 07:45 EDT	1.3[P]	0.61[P]	0.00[P]	8.8[P]	332[P]	9
03/24/2014 08:00 EDT	1.3[P]	0.61[P]	0.00[P]	8.8[P]	332[P]	9
03/24/2014 08:15 EDT	1.3[P]	0.61[P]	0.00[P]	8.7[P]	333[P]	9
03/24/2014 08:30 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	9
03/24/2014 08:45 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	9
03/24/2014 09:00 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	9
03/24/2014 09:15 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	9
03/24/2014 09:30 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	10

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/24/2014 09:45 EDT	1.3[P]	0.61[P]	0.00[P]	8.6[P]	333[P]	10
03/24/2014 10:00 EDT	1.3[P]	0.61[P]	0.00[P]	8.7[P]	333[P]	10
03/24/2014 10:15 EDT	1.3[P]	0.61[P]	0.00[P]	8.8[P]	333[P]	10
03/24/2014 10:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.0[P]	333[P]	10
03/24/2014 10:45 EDT	1.2[P]	0.60[P]	0.00[P]	9.3[P]	332[P]	10
03/24/2014 11:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.5[P]	332[P]	10
03/24/2014 11:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	332[P]	10
03/24/2014 11:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.2[P]	332[P]	11
03/24/2014 11:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.6[P]	332[P]	11
03/24/2014 12:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.0[P]	332[P]	11
03/24/2014 12:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.4[P]	331[P]	11
03/24/2014 12:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	331[P]	11
03/24/2014 12:45 EDT	1.3[P]	0.61[P]	0.00[P]	12.2[P]	331[P]	11
03/24/2014 13:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.5[P]	331[P]	11
03/24/2014 13:15 EDT	1.3[P]	0.61[P]	0.00[P]	12.7[P]	332[P]	11
03/24/2014 13:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.0[P]	331[P]	11
03/24/2014 13:45 EDT	1.3[P]	0.61[P]	0.00[P]	13.3[P]	330[P]	11
03/24/2014 14:00 EDT	1.3[P]	0.61[P]	0.00[P]	13.7[P]	331[P]	11
03/24/2014 14:15 EDT	1.3[P]	0.61[P]	0.00[P]	14.0[P]	331[P]	11
03/24/2014 14:30 EDT	1.3[P]	0.61[P]	0.00[P]	14.4[P]	331[P]	11
03/24/2014 14:45 EDT	1.3[P]	0.61[P]	0.00[P]	14.7[P]	330[P]	11
03/24/2014 15:00 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	331[P]	11
03/24/2014 15:15 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	331[P]	11

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/24/2014 15:30 EDT	1.2[P]	0.60[P]	0.00[P]	14.9[P]	331[P]	11
03/24/2014 15:45 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	332[P]	11
03/24/2014 16:00 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	331[P]	11
03/24/2014 16:15 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	332[P]	10
03/24/2014 16:30 EDT	1.3[P]	0.61[P]	0.00[P]	15.0[P]	332[P]	11
03/24/2014 16:45 EDT	1.3[P]	0.61[P]	0.00[P]	15.0[P]	332[P]	11
03/24/2014 17:00 EDT	1.3[P]	0.61[P]	0.00[P]	14.9[P]	332[P]	10
03/24/2014 17:15 EDT	1.3[P]	0.61[P]	0.00[P]	14.8[P]	333[P]	10
03/24/2014 17:30 EDT	1.3[P]	0.61[P]	0.00[P]	14.7[P]	333[P]	10
03/24/2014 17:45 EDT	1.3[P]	0.61[P]	0.00[P]	14.7[P]	333[P]	10
03/24/2014 18:00 EDT	1.3[P]	0.61[P]	0.00[P]	14.5[P]	333[P]	10
03/24/2014 18:15 EDT	1.3[P]	0.61[P]	0.00[P]	14.4[P]	333[P]	10
03/24/2014 18:30 EDT	1.3[P]	0.61[P]	0.00[P]	14.2[P]	333[P]	10
03/24/2014 18:45 EDT	1.3[P]	0.61[P]	0.00[P]	14.1[P]	333[P]	10
03/24/2014 19:00 EDT	1.3[P]	0.61[P]	0.00[P]	14.0[P]	334[P]	10
03/24/2014 19:15 EDT	1.3[P]	0.61[P]	0.00[P]	13.9[P]	334[P]	10
03/24/2014 19:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.8[P]	334[P]	10
03/24/2014 19:45 EDT	1.3[P]	0.61[P]	0.00[P]	13.7[P]	334[P]	10
03/24/2014 20:00 EDT	1.3[P]	0.61[P]	0.00[P]	13.5[P]	334[P]	9
03/24/2014 20:15 EDT	1.3[P]	0.61[P]	0.00[P]	13.3[P]	334[P]	9
03/24/2014 20:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.2[P]	334[P]	9
03/24/2014 20:45 EDT	1.3[P]	0.61[P]	0.00[P]	13.0[P]	334[P]	9
03/24/2014 21:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.8[P]	335[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/24/2014 21:15 EDT	1.3[P]	0.61[P]	0.00[P]	12.7[P]	334[P]	9
03/24/2014 21:30 EDT	1.3[P]	0.61[P]	0.00[P]	12.6[P]	335[P]	9
03/24/2014 21:45 EDT	1.3[P]	0.61[P]	0.00[P]	12.5[P]	334[P]	9
03/24/2014 22:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.3[P]	335[P]	9
03/24/2014 22:15 EDT	1.3[P]	0.61[P]	0.00[P]	12.2[P]	335[P]	9
03/24/2014 22:30 EDT	1.3[P]	0.61[P]	0.00[P]	12.1[P]	335[P]	9
03/24/2014 22:45 EDT	1.3[P]	0.61[P]	0.00[P]	12.0[P]	335[P]	9
03/24/2014 23:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.0[P]	335[P]	9
03/24/2014 23:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	335[P]	9
03/24/2014 23:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.7[P]	336[P]	9
03/24/2014 23:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	336[P]	9
03/25/2014 00:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	336[P]	9
03/25/2014 00:15 EDT	1.4[P]	0.62[P]	0.00[P]	11.5[P]	336[P]	9
03/25/2014 00:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.5[P]	336[P]	9
03/25/2014 00:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.4[P]	336[P]	9
03/25/2014 01:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	336[P]	9
03/25/2014 01:15 EDT	1.2[P]	0.60[P]	0.00[P]	11.3[P]	336[P]	9
03/25/2014 01:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	337[P]	9
03/25/2014 01:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.2[P]	337[P]	8
03/25/2014 02:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.2[P]	337[P]	9
03/25/2014 02:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.2[P]	337[P]	8
03/25/2014 02:30 EDT	1.4[P]	0.62[P]	0.00[P]	11.2[P]	337[P]	8
03/25/2014 02:45 EDT	1.4[P]	0.62[P]	0.00[P]	11.1[P]	337[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/25/2014 03:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	338[P]	8
03/25/2014 03:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	338[P]	8
03/25/2014 03:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	338[P]	8
03/25/2014 03:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.1[P]	338[P]	8
03/25/2014 04:00 EDT	1.4[P]	0.62[P]	0.00[P]	11.0[P]	338[P]	8
03/25/2014 04:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.0[P]	338[P]	8
03/25/2014 04:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.0[P]	338[P]	8
03/25/2014 04:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.0[P]	339[P]	8
03/25/2014 05:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.9[P]	339[P]	8
03/25/2014 05:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.9[P]	339[P]	8
03/25/2014 05:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.9[P]	339[P]	8
03/25/2014 05:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.8[P]	339[P]	8
03/25/2014 06:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.8[P]	340[P]	8
03/25/2014 06:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.7[P]	340[P]	8
03/25/2014 06:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.6[P]	340[P]	8
03/25/2014 06:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.5[P]	340[P]	8
03/25/2014 07:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.4[P]	340[P]	8
03/25/2014 07:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	340[P]	8
03/25/2014 07:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	340[P]	8
03/25/2014 07:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.2[P]	341[P]	9
03/25/2014 08:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.1[P]	341[P]	9
03/25/2014 08:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.0[P]	341[P]	9
03/25/2014 08:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.9[P]	341[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/25/2014 08:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.9[P]	341[P]	9
03/25/2014 09:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	341[P]	9
03/25/2014 09:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	341[P]	9
03/25/2014 09:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	341[P]	9
03/25/2014 09:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.7[P]	341[P]	9
03/25/2014 10:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.8[P]	341[P]	9
03/25/2014 10:15 EDT	1.4[P]	0.62[P]	0.00[P]	9.8[P]	341[P]	10
03/25/2014 10:30 EDT	1.4[P]	0.62[P]	0.00[P]	10[P]	340[P]	10
03/25/2014 10:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.2[P]	340[P]	10
03/25/2014 11:00 EDT	1.4[P]	0.62[P]	0.00[P]	10.3[P]	340[P]	10
03/25/2014 11:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.6[P]	340[P]	10
03/25/2014 11:30 EDT	1.3[P]	0.61[P]	0.00[P]	10.9[P]	340[P]	10
03/25/2014 11:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	339[P]	11
03/25/2014 12:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	339[P]	11
03/25/2014 12:15 EDT	1.4[P]	0.62[P]	0.00[P]	11.9[P]	339[P]	11
03/25/2014 12:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	340[P]	11
03/25/2014 12:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	340[P]	11
03/25/2014 13:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	340[P]	11
03/25/2014 13:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.7[P]	339[P]	11
03/25/2014 13:30 EDT	1.3[P]	0.61[P]	0.00[P]	12.1[P]	338[P]	11
03/25/2014 13:45 EDT	1.3[P]	0.61[P]	0.00[P]	12.6[P]	338[P]	11
03/25/2014 14:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.9[P]	337[P]	11
03/25/2014 14:15 EDT	1.3[P]	0.61[P]	0.00[P]	12.9[P]	338[P]	11

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/25/2014 14:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.0[P]	337[P]	11
03/25/2014 14:45 EDT	1.3[P]	0.61[P]	0.00[P]	13.5[P]	337[P]	11
03/25/2014 15:00 EDT	1.3[P]	0.61[P]	0.00[P]	13.6[P]	337[P]	11
03/25/2014 15:15 EDT	1.3[P]	0.61[P]	0.00[P]	13.5[P]	337[P]	11
03/25/2014 15:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.4[P]	338[P]	11
03/25/2014 15:45 EDT	1.3[P]	0.61[P]	0.00[P]	13.2[P]	338[P]	11
03/25/2014 16:00 EDT	1.3[P]	0.61[P]	0.00[P]	13.1[P]	337[P]	11
03/25/2014 16:15 EDT	1.3[P]	0.61[P]	0.00[P]	13.1[P]	337[P]	11
03/25/2014 16:30 EDT	1.3[P]	0.61[P]	0.00[P]	13.0[P]	337[P]	11
03/25/2014 16:45 EDT	1.3[P]	0.61[P]	0.00[P]	12.9[P]	337[P]	11
03/25/2014 17:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.8[P]	337[P]	11
03/25/2014 17:15 EDT	1.3[P]	0.61[P]	0.00[P]	12.7[P]	337[P]	11
03/25/2014 17:30 EDT	1.3[P]	0.61[P]	0.00[P]	12.5[P]	337[P]	11
03/25/2014 17:45 EDT	1.2[P]	0.60[P]	0.00[P]	12.3[P]	338[P]	10
03/25/2014 18:00 EDT	1.3[P]	0.61[P]	0.00[P]	12.1[P]	338[P]	10
03/25/2014 18:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	338[P]	10
03/25/2014 18:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	337[P]	10
03/25/2014 18:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	338[P]	10
03/25/2014 19:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.4[P]	338[P]	10
03/25/2014 19:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.2[P]	338[P]	10
03/25/2014 19:30 EDT	1.2[P]	0.60[P]	0.00[P]	10.9[P]	339[P]	10
03/25/2014 19:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.8[P]	338[P]	10
03/25/2014 20:00 EDT	1.2[P]	0.60[P]	0.00[P]	10.6[P]	339[P]	10

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/25/2014 20:15 EDT	1.2[P]	0.60[P]	0.00[P]	10.4[P]	339[P]	10
03/25/2014 20:30 EDT	1.2[P]	0.60[P]	0.00[P]	10.2[P]	339[P]	10
03/25/2014 20:45 EDT	1.2[P]	0.60[P]	0.00[P]	10.1[P]	339[P]	10
03/25/2014 21:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.9[P]	338[P]	9
03/25/2014 21:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.7[P]	339[P]	9
03/25/2014 21:30 EDT	1.3[P]	0.61[P]	0.00[P]	9.6[P]	339[P]	9
03/25/2014 21:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.4[P]	339[P]	9
03/25/2014 22:00 EDT	1.2[P]	0.60[P]	0.00[P]	9.3[P]	339[P]	9
03/25/2014 22:15 EDT	1.2[P]	0.60[P]	0.00[P]	9.2[P]	339[P]	9
03/25/2014 22:30 EDT	1.2[P]	0.60[P]	0.00[P]	9.1[P]	338[P]	9
03/25/2014 22:45 EDT	1.2[P]	0.60[P]	0.00[P]	9.0[P]	338[P]	9
03/25/2014 23:00 EDT	1.2[P]	0.60[P]	0.00[P]	8.9[P]	338[P]	9
03/25/2014 23:15 EDT	1.2[P]	0.60[P]	0.00[P]	8.8[P]	338[P]	9
03/25/2014 23:30 EDT	1.2[P]	0.60[P]	0.00[P]	8.7[P]	338[P]	9
03/25/2014 23:45 EDT	1.2[P]	0.60[P]	0.00[P]	8.6[P]	338[P]	9
03/26/2014 00:00 EDT	1.2[P]	0.60[P]	0.00[P]	8.4[P]	338[P]	9
03/26/2014 00:15 EDT	1.2[P]	0.60[P]	0.00[P]	8.2[P]	339[P]	9
03/26/2014 00:30 EDT	1.2[P]	0.60[P]	0.00[P]	8.2[P]	338[P]	9
03/26/2014 00:45 EDT	1.2[P]	0.60[P]	0.00[P]	8.1[P]	339[P]	9
03/26/2014 01:00 EDT	1.2[P]	0.60[P]	0.00[P]	8.0[P]	338[P]	9
03/26/2014 01:15 EDT	1.3[P]	0.61[P]	0.00[P]	7.9[P]	338[P]	9
03/26/2014 01:30 EDT	1.3[P]	0.61[P]	0.00[P]	7.8[P]	339[P]	9
03/26/2014 01:45 EDT	1.2[P]	0.60[P]	0.00[P]	7.7[P]	339[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/26/2014 02:00 EDT	1.2[P]	0.60[P]	0.00[P]	7.6[P]	338[P]	9
03/26/2014 02:15 EDT	1.2[P]	0.60[P]	0.00[P]	7.5[P]	339[P]	9
03/26/2014 02:30 EDT	1.2[P]	0.60[P]	0.00[P]	7.5[P]	338[P]	9
03/26/2014 02:45 EDT	1.2[P]	0.60[P]	0.00[P]	7.4[P]	339[P]	9
03/26/2014 03:00 EDT	1.2[P]	0.60[P]	0.00[P]	7.3[P]	338[P]	9
03/26/2014 03:15 EDT	1.2[P]	0.60[P]	0.00[P]	7.3[P]	339[P]	9
03/26/2014 03:30 EDT	1.2[P]	0.60[P]	0.00[P]	7.2[P]	339[P]	9
03/26/2014 03:45 EDT	1.2[P]	0.60[P]	0.00[P]	7.1[P]	339[P]	9
03/26/2014 04:00 EDT	1.2[P]	0.60[P]	0.00[P]	7.0[P]	339[P]	9
03/26/2014 04:15 EDT	1.3[P]	0.61[P]	0.00[P]	7.0[P]	340[P]	9
03/26/2014 04:30 EDT	1.2[P]	0.60[P]	0.00[P]	6.9[P]	340[P]	9
03/26/2014 04:45 EDT	1.3[P]	0.61[P]	0.00[P]	6.8[P]	340[P]	9
03/26/2014 05:00 EDT	1.2[P]	0.60[P]	0.00[P]	6.7[P]	341[P]	9
03/26/2014 05:15 EDT	1.2[P]	0.60[P]	0.00[P]	6.7[P]	341[P]	9
03/26/2014 05:30 EDT	1.2[P]	0.60[P]	0.00[P]	6.6[P]	341[P]	9
03/26/2014 05:45 EDT	1.2[P]	0.60[P]	0.00[P]	6.5[P]	341[P]	9
03/26/2014 06:00 EDT	1.2[P]	0.60[P]	0.00[P]	6.4[P]	342[P]	9
03/26/2014 06:15 EDT	1.2[P]	0.60[P]	0.00[P]	6.4[P]	342[P]	9
03/26/2014 06:30 EDT	1.2[P]	0.60[P]	0.00[P]	6.3[P]	343[P]	9
03/26/2014 06:45 EDT	1.3[P]	0.61[P]	0.00[P]	6.2[P]	342[P]	9
03/26/2014 07:00 EDT	1.3[P]	0.61[P]	0.00[P]	6.2[P]	343[P]	9
03/26/2014 07:15 EDT	1.2[P]	0.60[P]	0.00[P]	6.1[P]	343[P]	9
03/26/2014 07:30 EDT	1.2[P]	0.60[P]	0.00[P]	6.0[P]	343[P]	9

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/26/2014 07:45 EDT	1.2[P]	0.60[P]	0.00[P]	5.9[P]	344[P]	9
03/26/2014 08:00 EDT	1.2[P]	0.60[P]	0.00[P]	5.9[P]	343[P]	9
03/26/2014 08:15 EDT	1.3[P]	0.61[P]	0.00[P]	5.8[P]	344[P]	9
03/26/2014 08:30 EDT	1.3[P]	0.61[P]	0.00[P]	5.8[P]	344[P]	9
03/26/2014 08:45 EDT	1.2[P]	0.60[P]	0.00[P]	5.7[P]	344[P]	9
03/26/2014 09:00 EDT	1.2[P]	0.60[P]	0.00[P]	5.7[P]	345[P]	9
03/26/2014 09:15 EDT	1.3[P]	0.61[P]	0.00[P]	5.7[P]	345[P]	10
03/26/2014 09:30 EDT	1.3[P]	0.61[P]	0.00[P]	5.6[P]	345[P]	10
03/26/2014 09:45 EDT	1.2[P]	0.60[P]	0.00[P]	5.6[P]	345[P]	10
03/26/2014 10:00 EDT	1.3[P]	0.61[P]	0.00[P]	5.6[P]	345[P]	10
03/26/2014 10:15 EDT	1.2[P]	0.60[P]	0.00[P]	5.8[P]	345[P]	10
03/26/2014 10:30 EDT	1.3[P]	0.61[P]	0.00[P]	6.0[P]	345[P]	11
03/26/2014 10:45 EDT	1.2[P]	0.60[P]	0.00[P]	6.3[P]	345[P]	11
03/26/2014 11:00 EDT	1.3[P]	0.61[P]	0.00[P]	6.6[P]	344[P]	11
03/26/2014 11:15 EDT	1.2[P]	0.60[P]	0.00[P]	6.9[P]	344[P]	11
03/26/2014 11:30 EDT	1.3[P]	0.61[P]	0.00[P]	7.2[P]	344[P]	11
03/26/2014 11:45 EDT	1.2[P]	0.60[P]	0.00[P]	7.6[P]	344[P]	11
03/26/2014 12:00 EDT	1.2[P]	0.60[P]	0.00[P]	8.0[P]	343[P]	12
03/26/2014 12:15 EDT	1.3[P]	0.61[P]	0.00[P]	8.3[P]	343[P]	12
03/26/2014 12:30 EDT	1.2[P]	0.60[P]	0.00[P]	8.8[P]	342[P]	12
03/26/2014 12:45 EDT	1.2[P]	0.60[P]	0.00[P]	9.1[P]	343[P]	12
03/26/2014 13:00 EDT	1.3[P]	0.61[P]	0.00[P]	9.4[P]	343[P]	12
03/26/2014 13:15 EDT	1.3[P]	0.61[P]	0.00[P]	9.7[P]	342[P]	12

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/26/2014 13:30 EDT	1.3[P]	0.61[P]	0.00[P]	10[P]	342[P]	12
03/26/2014 13:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	342[P]	12
03/26/2014 14:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.6[P]	342[P]	12
03/26/2014 14:15 EDT	1.3[P]	0.61[P]	0.00[P]	10.9[P]	341[P]	12
03/26/2014 14:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	341[P]	12
03/26/2014 14:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.6[P]	341[P]	12
03/26/2014 15:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	341[P]	12
03/26/2014 15:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	341[P]	12
03/26/2014 15:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	342[P]	11
03/26/2014 15:45 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	342[P]	11
03/26/2014 16:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	341[P]	11
03/26/2014 16:15 EDT	1.2[P]	0.60[P]	0.00[P]	11.9[P]	341[P]	11
03/26/2014 16:30 EDT	1.3[P]	0.61[P]	0.00[P]	11.9[P]	341[P]	11
03/26/2014 16:45 EDT	1.2[P]	0.60[P]	0.00[P]	11.9[P]	341[P]	11
03/26/2014 17:00 EDT	1.2[P]	0.60[P]	0.00[P]	11.9[P]	342[P]	11
03/26/2014 17:15 EDT	1.3[P]	0.61[P]	0.00[P]	11.8[P]	341[P]	11
03/26/2014 17:30 EDT	1.2[P]	0.60[P]	0.00[P]	11.7[P]	341[P]	11
03/26/2014 17:45 EDT	1.2[P]	0.60[P]	0.00[P]	11.5[P]	342[P]	11
03/26/2014 18:00 EDT	1.3[P]	0.61[P]	0.00[P]	11.3[P]	342[P]	10
03/26/2014 18:15 EDT	1.2[P]	0.60[P]	0.00[P]	11.1[P]	342[P]	10
03/26/2014 18:30 EDT	1.2[P]	0.60[P]	0.00[P]	10.9[P]	342[P]	10
03/26/2014 18:45 EDT	1.2[P]	0.60[P]	0.00[P]	10.8[P]	342[P]	10
03/26/2014 19:00 EDT	1.3[P]	0.61[P]	0.00[P]	10.7[P]	342[P]	10

Date / Time	Dis-charge, ft3/s,	Gage height, feet,	Precip-itation total, inches,	Temper-ature, water, deg C,	Specif-ic conduc-tance, wat unf uS/cm @ 25 degC,	Dis-solv oxyg mg/
03/26/2014 19:15 EDT	1.2[P]	0.60[P]	0.00[P]	10.5[P]	343[P]	10
03/26/2014 19:30 EDT	1.2[P]	0.60[P]	0.00[P]	10.4[P]	343[P]	10
03/26/2014 19:45 EDT	1.3[P]	0.61[P]	0.00[P]	10.3[P]	343[P]	10
03/26/2014 20:00 EDT	1.2[P]	0.60[P]	0.00[P]	10.1[P]	343[P]	10
03/26/2014 20:15 EDT	1.3[P]	0.61[P]	0.00[P]	10[P]	343[P]	10
03/26/2014 20:30 EDT	1.2[P]	0.60[P]	0.00[P]	9.8[P]	342[P]	10
03/26/2014 20:45 EDT	1.3[P]	0.61[P]	0.00[P]	9.7[P]	343[P]	10
03/26/2014 21:00 EDT	1.2[P]	0.60[P]	0.00[P]	9.5[P]	343[P]	10
03/26/2014 21:15 EDT	1.2[P]	0.60[P]	0.00[P]	9.4[P]	342[P]	9
03/26/2014 21:30 EDT	1.2[P]	0.60[P]	0.00[P]	9.2[P]	343[P]	9
03/26/2014 21:45 EDT	1.2[P]	0.60[P]	0.00[P]	9.1[P]	343[P]	9
03/26/2014 22:00 EDT	1.2[P]	0.60[P]	0.00[P]	9.0[P]	343[P]	9
03/26/2014 22:15 EDT	1.2[P]	0.60[P]	0.00[P]	8.8[P]	343[P]	9
03/26/2014 22:30 EDT	1.2[P]	0.60[P]	0.00[P]	8.7[P]	343[P]	9
03/26/2014 22:45 EDT	1.2[P]	0.60[P]	0.00[P]	8.6[P]	343[P]	9
03/26/2014 23:00 EDT	1.2[P]	0.60[P]	0.00[P]	8.4[P]	343[P]	9
03/26/2014 23:15 EDT	1.2[P]	0.60[P]	0.00[P]	8.3[P]	343[P]	9
03/26/2014 23:30 EDT	1.2[P]	0.60[P]	0.00[P]	8.2[P]	343[P]	9
03/26/2014 23:45 EDT	1.2[P]	0.60[P]	0.00[P]	8.1[P]	343[P]	9

Explanation

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Page Last Modified: 2014-06-06 09:39:03 EDT
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USGS Surface-Water Annual Statistics for Georgia

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USGS 02336300 PEACHTREE CREEK AT ATLANTA, GA

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Fulton County, Georgia Hydrologic Unit Code 03130001 Latitude 33°49'10", Longitude 84°24'28" NAD83 Drainage area 86.8 square miles Gage datum 763.96 feet above NGVD29	**Output formats** HTML table of all data Tab-separated data Reselect output format

Water Year	00060, Discharge, cubic feet per second
Period-of-record for statistical calculation restricted by user	
2006	106.9
2007	71.9
2008	67.6
2009	133.6
2010	160.2
2011	85.2
2012	68.0

Water Year	00060, Discharge, cubic feet per second
** No Incomplete data have been used for statistical calculation	

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Title: Surface Water data for Georgia: USGS Surface-Water Annual Statistics
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USGS 02336300 PEACHTREE CREEK AT ATLANTA, GA

Available data for this site: Time-series: Annual statistics | GO

Fulton County, Georgia Hydrologic Unit Code 03130001 Latitude 33°49'10", Longitude 84°24'28" NAD83 Drainage area 86.8 square miles Gage datum 763.96 feet above NGVD29	**Output formats** HTML table of all data Tab-separated data Reselect output format

Water Year	00060, Discharge, cubic feet per second
Period-of-record for statistical calculation restricted by user	
1983	141.3
1984	201.1
1985	124.5
1986	73.9
1987	137.7
1988	78.7
1989	145.0

Water Year	00060, Discharge, cubic feet per second
1990	189.8
1991	178.7
1992	128.5
1993	159.6
1994	154.8
1995	118.2
1996	193.9
1997	135.8
1998	166.0
1999	80.5
2000	95.3
2001	106.6
2002	92.3
2003	198.6
2004	145.8
2005	213.0
2006	106.9
2007	71.9
2008	67.6
2009	133.6
2010	160.2
2011	85.2
2012	68.0

** No Incomplete data have been used for statistical calculation

n = 30 yrs

$\Sigma = 3953$

$Avg = 3953/30 = 131.77$

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USGS Surface-Water Annual Statistics for Georgia

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USGS 02336313 WOODALL CREEK AT DEFOORS FERRY RD, AT ATLANTA, GA

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Fulton County, Georgia Hydrologic Unit Code 03130001 Latitude 33°49'18", Longitude 84°26'20" NAD27 Drainage area 2.60 square miles Contributing drainage area 2.60 square miles Gage datum 756.2 feet above NAVD88	**Output formats** HTML table of all data Tab-separated data Reselect output format

Water Year	00060, Discharge, cubic feet per second
2006	3.50
2007	2.79
2008	2.98
2009	3.05
2010	4.52
2011	1.89
2012	1.95

$\Sigma =$

Water Year	00060, Discharge, cubic feet per second
** No Incomplete data have been used for statistical calculation	

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