December 1, 2014

Mr. Kevin Collins
Compliance Officer
Georgia Department of Natural Resources
Environmental Protection Division
Response and Remediation Program
2 Martin Luther King Jr. Dr. SE, East Tower, Suite 1054
Atlanta, GA 30334

Re: November 2014 Semi-Annual Progress Report
Colonial Terminals, Plant #2
Georgia Hazardous Site Inventory No. 10098

Dear Mr. Collins:

On behalf of our clients, ENVIRON is pleased to submit the November 2014 Semi-Annual Progress Report for the Colonial Terminals, Plant #2 site located in Savannah, Chatham County, Georgia. This report summarizes the activities that have taken place since the submittal of the May 2014 Semi-Annual Progress Report, which includes groundwater and surface water monitoring.

If you have any questions about the attached report, or any other project matter, please feel free to contact us at any time.

Sincerely,

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Enclosures

cc: Jim Baker, Colonial Terminals, Inc.
Tom Dolan, Colonial Terminals, Inc.
Michael Skinner, Michael J. Skinner Consulting, LLC
Chris Aupperle, BFEL Indemnitor, Inc.



Colonial Terminals Plant #2
November 2014 Semi-Annual Progress Report

Prepared for:
Colonial Terminals, Inc.
Savannah, Georgia

HSI SITE NO. 10098

Prepared by:
ENVIRON International Corporation
Atlanta, Georgia

November 2014

Project Number:
07-30114

ENVIRON

Contents

Acronyms and Abbreviations

11DCE	1,1-Dichloroethene
12DCE	1,2-Dichloroethene
AR	Anisotropic Ratio
AST	Aboveground Storage Tank
CAP	Corrective Action Plan
Colonial	Colonial Terminals
COPCs	Constituents of Potential Concern
CSR	Compliance Status Report
DNAPL	Dense Non-Aqueous Phase Liquid
ED	Exposure Domain
ENVIRON	ENVIRON International Corporation
EPD	Georgia Environmental Protection Division
ERM	Environmental Resources Management
ft amsl	Feet Above Mean Sea Level
ft bgs	Feet Below Ground Surface
ft/d	Feet per Day
HSI	Hazardous Site Inventory
HSRA	Hazardous Site Response Act
ISWQS	Georgia In-Stream Water Quality Standards
MeCl	Methylene Chloride
PCE	Tetrachloroethene
PID	Photoionization Detector
RPs	Responsible Parties
RRS	Risk Reduction Standards
sf	Square Feet
SVE	Soil Vapor Extraction
TCE	Trichloroethene
Test America	Test America Laboratories, Inc
UEC	Uniform Environmental Covenant
ug/l	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VC	Vinyl Chloride
VOCs	Volatile Organic Compounds
VRP	Voluntary Remediation Program

Groundwater Scientist Statement

I certify that I am a qualified groundwater scientist 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 the groundwater portions of this report were prepared by myself and appropriately qualified subordinates working under my direction.

Kenneth E. Nye, P.G.
Registration No. 1789

1 Introduction

The Colonial Terminals (Colonial) Plant #2 site is listed on the Georgia Environmental Protection Division (EPD) Hazardous Site Inventory (HSI) as Site No. 10098 under the Hazardous Site Response Act (HSRA). The site is located at 373 North Lathrop Avenue, Savannah, Chatham County, Georgia (**Figure 1**). The approximately 78-acre property is comprised of six adjacent parcels of land identified by the Chatham County Board of Assessors as Tax Parcel IDs 1-0549-01-002 (4 parcels maintain this ID), 1-0549-01-002A, and 1-0550-02-004. The highly industrialized property is bordered by the Savannah River and is improved with administrative buildings, warehouses, bulk aboveground storage tanks (ASTs) and silos, shipping docks, truck loading racks, pipe racks, and rail spurs (**Figure 2**).

The site was formerly owned and operated by Virginia-Carolina Chemical Company and Swift Agricultural Chemicals Corporation for the manufacture of fertilizers from the late 1926 through 1972. During that time, the site maintained two sludge-settling ponds and an adjacent sludge pile that have been documented as likely sources of impacts at the site, and historical fertilizer production facilities were present at various locations to the east side of the current rail yard. Since the early 1970s, Colonial has owned and operated the site for use as a bulk storage facility for various chemicals, petroleum, and kaolin clay. According to previous investigations and facility personnel, from 1981 through 1985 tetrachloroethylene (PCE) and trichloroethylene (TCE) were transferred from vessels to railcars and then to trucks in the area adjacent to the two former settling ponds and the sludge pile. From 1985 through 1990, PCE and TCE was stored in ASTs T-77 and T-78, located near the central northern end of the site, and in the adjacent ASTs 110 through 113 from 1991 through 2007 (TCE) and 2009 (PCE).

An investigation of the former settling ponds and sludge pile was conducted by the United States Environmental Protection Agency (USEPA) in 1984 and identified the presence of TCE at the site. Following an evaluation by the EPD in June 1994, the site was listed on the HSI for known releases of metals and volatile organic compounds (VOCs) to the soil and groundwater. In addition, methylene chloride (MeCl) and PCE degradation products 1,2-dichloroethene (12DCE); 1,1-dichloroethene (11DCE); and vinyl chloride (VC) were identified in soil and groundwater at the site during subsequent investigations. An initial Compliance Status Report (CSR) was submitted to EPD in 1999, and since that time numerous revised CSRs, Corrective Action Plans (CAPs), and other reports have been submitted that document the significant efforts that have been conducted at the site, including: the excavation and offsite disposal of more than 24,000 tons of impacted soil; the implementation of a soil vapor extraction system to address residual VOCs in the soil; completion of a large-scale in situ chemical oxidation pilot test that involved the installation of 250 injection wells and injection of more than 150,000 gallons of solution containing persulfate, lime, and caustic; and periodic groundwater sampling of onsite monitoring wells. Colonial submitted an application to the Georgia Voluntary Remediation Program (VRP) for the site in November 2012, and the application was approved by EPD in May 2013. A meeting to discuss EPD's comments and the responsible parties' (RPs; BFEL Indemnitor, Inc. and ExxonMobil Corporation) responses to those comments was held at EPD's offices on October 1, 2013.

Per the November 2012 VRP Application (ENVIRON, 2012), additional corrective action for soil, groundwater, and surface water at the site is not warranted based on current site conditions, the exposure pathways, and the comparison of existing data to site-specific cleanup standards. As agreed upon with EPD, annual groundwater sampling of 7 shallow and 3 deeper monitoring wells will be conducted for 2 years to identify and track potential future changes related to groundwater at the site. In addition, semi-annual surface water sampling will be conducted for 3 years to monitor the concentrations of VOCs in the Savannah River. Additionally, an environmental covenant will be executed on the site in conformance with O.C.G.A. 44-61-1, et seq., the "Georgia Uniform Environmental Covenants Act." This covenant will specify that the land use of the site remains industrial, no drinking water wells will be installed on the site, and any future plans for constructing new buildings on the site will be evaluated with respect to potential risks associated with vapor intrusion.

The remainder of this Progress Report presents background site information (Section 2), site activities since the submittal of the May 2014 Status Report (Section 3), and a summary of expected future site activities (Section 4).

2 Site Background

The Colonial site is located in a highly industrial area of Savannah, Georgia, and is bordered to the north and northeast by the Savannah River (which is in high industrial use and has been altered for that purpose), to the southeast by Georgia Recyclers, to the south by North Lathrop Avenue (on the other side of which is Great Dane Trailers), and to the west by Arboris, LLC and International Paper Company's Savannah Pulp and Paper Mill. With the exception of the earthen berms at the site that surround the ASTs, the surface topography at the site is relatively flat and ranges from approximately 9 feet above mean sea level (ft amsl) at the southern and western property boundaries to approximately 4 ft amsl at the northern property boundary along the Savannah River

According to the Chatham County Board of Assessors, the site is owned and maintained by Colonial, and consists of Tax Parcel IDs 1-0549-01-002, 1-0549-01-002A, and 1-0550-02-004. The previous site owners include Virginia-Carolina Chemical Company (now Exxon Mobil Corporation) and Swift Agricultural Chemicals Corporation (now BFEL Indemnitor, Inc.). Per EPD's request, an updated tax parcel location map with tax identification numbers for the entire site is provided in **Figure 3**.

2.1 Site Geology

The site is located in the Barrier Island Sequence District of the Coastal Plain Physiographic Province of Georgia. Regional soils are characterized by Pleistocene and Holocene barrier island deposits and marsh and lagoon deposits. Pleistocene sea levels advanced and retreated several times over the Coastal Plain to form a step-like progression of decreasing elevation toward the sea (Clark and Zisa, 1976). The area during the time of the former, higher sea levels existed as barrier island-salt marsh environments similar to the present coast. The changes in sea level left shoreline deposit complexes parallel to the present coastline, composed predominantly of unconsolidated sand and clayey sand deposited during the former high sea levels.

The regional geology has been characterized as Coastal Plain strata consisting of unconsolidated to semi-consolidated layers of sand and clay, and semi-consolidated to very dense layers of limestone and dolomite (Clarke et al, 1990). These sediments range in age from the late Cretaceous to Holocene periods. The strata generally strike southwest and northeast, and dip and gradually thicken to the southeast.

Based on historical site assessment activities, the site geology from land surface to approximately 2 feet below ground surface (ft bgs) consists of sequences of sands, which are underlain by stiff sandy clays that extend to approximately 8 to 10 ft bgs. Clayey sands with clay stringers are present from approximately 10 ft bgs to 34 ft bgs, below which clay and silt is present to approximately 80 ft bgs.

2.2 Site Hydrogeology

The Coastal Plain is underlain by multiple aquifers. In the vicinity of the site, the surficial aquifer consists of the Satilla Formation (Payne, Rumman, and Clarke, 2005). Beneath the surficial aquifer are the upper and lower Brunswick aquifers, which consist of slightly phosphatic and

dolomitic quartz sands and clay confining units. The Brunswick aquifer system is approximately 80 feet thick in the region of the site and has a higher percentage of low permeability, clayey deposits in the Savannah area. The underlying Upper Floridan aquifer, which consists of the Ocala Limestone, is the principal source of water in the coastal area (Clarke et al, 1990).

Due to the proximity of the site to the Savannah River and Atlantic Ocean, the surficial/shallow groundwater at the site is influenced by tidal activity, and the depth to groundwater at the site typically ranges from approximately 3 to 12 ft bgs. Additionally, the shallow groundwater at the site has a high saline content due to tidal influence and, as such, the groundwater in the shallow surficial aquifer is not potable.

Slug tests were performed in three wells (MW-16, MW-18, and TW-28) on May 25 and 26, 2006, for the purpose of evaluating the hydraulic conductivity of the shallow aquifer. Based on the results of the tests, the average hydraulic conductivity of the shallow surficial aquifer at the site is approximately 3.05×10^{-3} centimeters per second. Based on the site gradient, and assuming an effective porosity of 20 percent, the groundwater flow velocity is estimated to range between 0.1 feet per day (ft/d) and 0.2 ft/d.

2.3 Summary of Corrective Action

Corrective action has been undertaken for soil and groundwater at the site, as discussed in the 2012 VRP Application and the November 2013 and May 2014 Semi-Annual Status Reports. Specifically, corrective action has consisted of the following activities:

- Excavation and offsite disposal of:
  - Approximately 23,415 tons of lead and/or arsenic-impacted soil from eight distinct areas of the site between October 2007 and December 2007.
  - Approximately 812 tons of VOC-impacted soil adjacent to Tank T-88 at the southeast portion of the site in December 2007.
  - Approximately 38 tons of soil from the area surrounding historical soil boring GP-07-06 in February and March 2009.
- Operation of a soil vapor extraction (SVE) system from May 2009 through May 2013 for the purpose of addressing VOC impacts in the vicinity of Tank 75 through Tank 78. Following removal of approximately 6,137 pounds of total VOCs and upon meeting the shutdown criteria specified in the Performance Monitoring Plan (Environmental Resources Management [ERM], 2009), the system was discontinued in May 2013.
- Injection of more than 150,000 gallons of a solution containing sodium persulfate, lime, and caustic using 250 injection wells for the purpose of treating metals and VOCs in the groundwater (ERM, 2010). In addition, a network of 34 groundwater monitoring wells were sampled annually from 2008 through 2010 to gauge the effectiveness of the chemical injections.

2.4 Risk Reduction Standards

The site and surrounding properties are used for non-residential purposes and, therefore, Type 4 risk reduction standards (RRS; non-residential, site-specific) for the site were submitted as

part of the VRP Application. Specifically, RRS for constituents of potential concern (COPCs) in surface soil were developed to be protective of commercial/industrial, utility, and construction workers at the site via direct contact, and RRS for COPCs in subsurface soil were developed to be protective of utility and construction workers via direct contact. Based on previous communication between the RPs and EPD, the following conditions have been agreed upon regarding the RRS for the site:

- The use of one exposure domain (ED) for surface soil (0 to 2 feet below ground surface) is acceptable;
- Development of Type 2 RRS is not necessary provided that the UEC for the site indicates non-residential use for the site;
- The UEC will include language that limits construction worker scenarios to 90 days of exposure to subsurface soil;
- Trespasser scenarios are not applicable to the site because the commercial/industrial worker exposure scenario is considered more conservative and, therefore, protective of a trespasser; and,
- Exposure to groundwater does not constitute a complete exposure pathway with regards to human health and, therefore, leaching to groundwater is not a required component of the site-specific RRS for soil. As such, and per EPD's request, the soil RRS will be herein referred to as Type 5 RRS.

The exposure conditions at the site have not changed since the submittal of the VRP Application. Based on discussions with the EPD, the entire site is considered to comprise one ED for the surface soil, and three EDs were proposed for subsurface soil in the November 10, 2014 responses to EPD comments. In those responses to comments, an area averaging approach using 95 percent Upper Confidence Levels (UCLs) was used to determine that exposure point concentrations for arsenic and lead in surface and subsurface soil (i.e., the two constituents for which there were individual exceedances of the RRS) do not exceed their respective RRS.

In addition to the RRS presented in the VRP Application, EPD previously approved Type 5 RRS for two conditions at the site, as presented in the 2012 VRP Application and the November 2013 and May 2014 Semi-Annual Status Reports:

- Areas within 12 feet of the railroad centerline where excavations could result in a loss of structural integrity of the tracks; and,
- Deep soil adjacent to retaining walls and loading docks along the Savannah River.

The site maintains engineering and institutional controls for these Type 5 RRS areas, including a Restrictive Covenant on the deeds for the three parcels that comprise the site.

Because there is no direct exposure to groundwater via ingestion or inhalation at or within 1,000 feet of the site, updated RRS were not developed for groundwater.

2.5 Vapor Intrusion

Based on a comparison of the maximum detected concentrations of and 95 percent UCLs for VOCs in soil and groundwater with vapor intrusion criteria (ENVIRON, 2012), there are two locations at the site (GP-07-04 and GP-07-06, as presented in Figure 15 of the VRP Application) that could result in unacceptable risks associated with vapor intrusion exposures, as presented in the 2012 VRP Application and the November 2013 Semi-Annual Status Report. However, because these locations are not under or in immediate proximity to current site structures at which workers might be exposed to indoor air, cleanup standards have not been derived for the vapor intrusion pathway. As agreed upon by EPD in October 2013, location-specific vapor intrusion risks will be assessed if needed and mitigation measures, if necessary, will be implemented prior to or during future construction of inhabited structures at the site.

3 Site Activities – Current Period of Performance

In accordance with the VRP Application, and to further assess the groundwater and surface water quality, the following activities were conducted at the site between May 2014 and October 2014:

- Sampling of nine existing onsite groundwater monitoring wells in October 2014; and
- Collection of surface water samples from three locations along the bank of the Savannah River in October 2014;

A summary of these activities along with a summary of recent historical activities is presented in the following sections.

3.1 Surface Water and Groundwater Sampling – October 2014

Per the approved monitoring plan presented in the VRP Application, semi-annual surface water monitoring and annual groundwater monitoring at the site were conducted in October 2014. The surface water samples were collected from walkways to the main dock, as close to the river bank as possible based on tide conditions at the time of sampling and slopes of the river bottom. Specifically, the surface water samples were collected from approximately 1.5 feet above the bottom of the river at locations where the water depth was less than 4 feet. In addition, groundwater samples were collected from 6 shallow monitoring wells and 3 deeper monitoring wells (MW-09D, MW-101D, and MW-102D). Of the wells proposed for sampling in the VRP Application, one shallow and two deep wells could not be located (MW-35, MW-12D, and MW-36D). Consequently, groundwater samples were collected from the remaining 7 monitoring wells identified for sampling in the VRP Application (MW-09D, MW-11R, MW-12R, MW-25, MW-30, TW-25, and TW-29), and from the 2 new deep monitoring wells that were installed in April 2014 as part of the source material investigation (MW-101D, MW-102D).

3.1.1 Surface Water Assessment

On October 28, 2014, ENVIRON collected surface water samples from three locations along the bank of the Savannah River (**Figure 4**). The water depths and sample intake depths for the surface water samples were as follows:

Location ID	Water Depth	Sample Intake Depth
SW-01R	3.7 feet	1.8 feet off bottom
SW-02R	3.5 feet	1.7 feet off bottom
SW-03R	2.4 feet	1.2 feet off bottom

Prior to sampling, the surface water was withdrawn via low-flow technique using a peristaltic pump with new, disposable tubing until the pH, specific conductance, temperature, and turbidity stabilized, after which the surface water samples were collected by filling laboratory-provided, appropriately-preserved, sample containers. Each sample container was labeled and subsequently placed on ice, and hand-delivered to Test America Laboratories, Inc. (Test America) in Savannah, Georgia for analysis of VOCs by USEPA Method 8260. The surface

water samples were collected between 7:36 pm and 8:53 pm. Low tide for that day occurred at approximately 6:18 am and 7:07 pm (Savannah, Georgia – Bull Street Monitoring Station).

3.1.2 Groundwater Assessment

ENVIRON collected groundwater samples from six shallow and three deep monitoring wells (**Figure 4**) on October 29 and October 30, 2014. Prior to sampling, each monitoring well was opened and allowed to equilibrate. The depth-to-groundwater measurements and corresponding groundwater elevations are presented in **Table 1**. A potentiometric surface map was prepared using the groundwater elevation data in order to estimate groundwater flow direction (**Figure 5**). As illustrated, groundwater flow at the site is generally to the east-northeast towards the Savannah River.

Commencing on October 29, 2014, the groundwater monitoring wells were purged via low-flow techniques utilizing a peristaltic pump fitted with new, disposable tubing. The monitoring wells were purged in accordance with USEPA guidance and until the pH, specific conductance, temperature, and turbidity of the groundwater stabilized. Following purging, groundwater samples were collected by filling laboratory-provided, appropriately preserved, sample containers. Each sample container was labeled and subsequently placed on ice, and hand-delivered to Test America in Savannah, Georgia for analysis of VOCs by USEPA Method 8260 and/or metals by USEPA Methods 6010 and 7470. The purge logs are included in **Appendix A**.

The sample containers for each well were handled using new, disposable Nitrile gloves to prevent cross contamination. Following sampling, the purge water was disposed in the facility's wastewater collection system. The electronic water level meter was decontaminated prior to its initial use and after being used at each well by cleaning with a Liquinox and distilled water mixture, followed by a distilled water rinse.

3.2 Analytical Results

In the surface water, PCE was not detected in SW-01R and SW-02R, and was detected in SW-03R (the most downstream surface water sample) at a concentration barely greater than the detection limit but less than the Georgia In-Stream Water Quality Standard. No other VOCs were detected in the surface water. In the groundwater, concentrations of VOCs and metals were generally consistent with previous and/or historical sampling events, and the concentrations of PCE in 4 wells (MW-11R, MW-12R, MW-30, and TW-29) were greater than 1 percent of its aqueous solubility. In addition, concentrations of arsenic in 2 wells (MW-12R and MW-25) and lead in 1 well (MW-25) exceeded the historical Type 4 RRS for the site (i.e., RRS from prior to acceptance into the VRP). As previously discussed, there is no direct exposure to groundwater via ingestion or inhalation at or within 1,000 feet of the site.

Summaries of the analytical results for VOCs in groundwater and surface water are presented in **Table 2** and **Figure 6,** and metals in groundwater, and **Figure 7**, respectively. The laboratory analytical reports are included in **Appendix B**.

4 Summary

As previously discussed, the site has been the subject of significant investigations and remediation for more than 20 years. An initial CSR was submitted to EPD in 1999, and since that time numerous other reports have been submitted that document the significant efforts that have been conducted at the site, including: the excavation and offsite disposal of more than 24,000 tons of impacted soil; the implementation of a soil vapor extraction system to address residual VOCs in the soil; completion of a large-scale in situ chemical oxidation pilot test that involved the installation of 250 injection wells and injection of more than 150,000 gallons of solution containing persulfate, lime, and caustic; and periodic groundwater sampling of onsite monitoring wells.

Per the VRP, groundwater and surface water sampling were conducted in October 2014. The analytical results indicate that concentrations of metals and VOCs are generally consistent with historical concentrations. In addition, the results from the most recent surface water sampling event indicate only a very slight detection of PCE at the most downgradient surface water sampling location, the concentration of which did not exceed the Georgia In-Stream Water Quality Standard (ISWQS; 1.1 ug/l versus 3.3 ug/l). As previously discussed, the surface water samples were collected as close to low tide as possible along the bank of the Savannah River to provide the most conservative information.

The potential exposure pathways at the site remain consistent with those defined in the VRP Application and subsequent correspondence with EPD. Specifically, “there is no direct exposure to groundwater via ingestion or inhalation at or within 1,000 feet of the site,” and the concentrations that are discharging to the Savannah River are significantly less than the Georgia ISWQS. As such, and in accordance with the schedule set forth in the VRP Application and subsequent correspondence with EPD, corrective action for the site consists of the implementation of a UEC, and semi-annual surface water sampling through the second quarter of 2016. The next Semi-Annual Progress Report will be submitted in May 2015.

5 References

Clark, William Z., and Zisa, Arnold C. 1976. Physiographic Map of Georgia. Georgia Department of Natural Resources, Geologic and Water Resources Division. 1 pl.

Clarke, John S., Hackle, Charles M., and Peck, Michael F. 1990. Geology and Ground-Water Resources of the Coastal Area of Georgia; Georgia Geologic Survey Bulletin 113. 12 pl.

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ERM. 2010. First Corrective Action Effectiveness Report (CAER) for Groundwater 2009. January.

Payne, Dorothy F., Rumman, Malek A., and Clarke, John S. 2005. Simulation of ground-water flow in coastal Georgia and adjacent parts of South Carolina and Florida – Predevelopment, 1980, and 2000. United States Geological Survey Scientific Investigation Report 2005-5089.

Tables

Table 1 - Groundwater Levels
Colonial Terminals Plant #2 (HSI No. 10098)
November 2014

Well ID	TOC Elevation (feet AMSL)	Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-09D	11.97	12/11/2013	10.50	1.47
		10/30/2014	9.66	2.31
MW-11R	11.64	12/11/2013	12.00	-0.36
		10/30/2014	9.62	2.02
MW-12D	12.33	12/12/2013	12.32	0.01
		10/30/2014	N/A	N/A
MW-12R	11.80	12/12/2013	10.73	1.07
		10/30/2014	10.16	1.64
MW-24	12.71	12/11/2013	11.63	1.08
		10/30/2014	11.10	1.61
MW-25	11.21	12/11/2013	10.69	0.52
		10/30/2014	9.59	1.62
MW-30	12.77	12/12/2013	11.46	1.31
		10/30/2014	11.11	1.66
MW-34	11.23	12/12/2013	9.92	1.31
		10/30/2014	9.00	2.23
MW-101D	NS	4/15/2014	11.00	N/A
		10/30/2014	19.74	N/A
MW-102D	NS	4/16/2014	11.00	N/A
		10/30/2014	15.63	N/A
TW-25	11.30	12/12/2013	9.69	1.61
		10/30/2014	9.23	2.07
TW-29	11.80	12/12/2013	10.19	1.61
		10/30/2014	9.60	2.20

Notes:
AMSL - above mean sea level
BTOC - below top of casing
N/A - not available
TOC - top of casing
NS - well not surveyed

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Table 2 - Summary of VOCs in Groundwater and Surface Water
Colonial Terminals Plant #2 (HSI 10098)
November 2014

	Analyte	PCE	TCE	c12DCE	t12DCE	Vinyl Chloride
	DNAPL [(1)]	2,000	14,720	35,000	63,000	88,000
	Units	ug/l	ug/l	ug/l	ug/l	ug/l
Location	**Date Sampled**					
MW-09D	8/12/2008	211	31.7	34	< 2	6.6
	9/1/2009	275	26.9	27.5	9.6	5
	9/2/2009	275	26.9	27.5	< 5	5
	9/1/2010	265	36.9	50.5	< 5	6.6
	12/11/2013	180	30	42	< 2.0	4.7
	10/29/2014	200	31	47	< 2.0	8
MW-11R	9/2/2009	**17,200**	2,420	4,290	693	176
	9/1/2010	**18,200**	2,900	5,570	< 250	218
	12/11/2013	**19,000**	3,400	4,900	210	250
	10/29/2014	**20,000**	4,100	11,000	170	730
MW-12R	8/31/2010	**71,700**	1,960	< 1000	< 1000	< 1000
DUP-03	12/12/2013	**19,000**	540	< 200	< 200	< 200
	12/12/2013	**18,000**	570	200	< 200	< 200
	10/29/2014	**37,000**	750	370	< 250	< 250
MW-25	9/3/2009	**18,800**	7970	93.9 J	< 200	< 200
	9/2/2010	**12,400**	946	193	< 100	< 100
	12/11/2013	95	26	4.3	< 1.0	< 1.0
	10/30/2014	230	47	11	< 2.0	< 2.0
MW-30	8/12/2008	**8,330**	3,110	6,930	< 100	676
	9/3/2009	**6,520**	2,550	6,750	120	395
	8/31/2010	**26,200**	4,200	9,100	< 100	771
	12/12/2013	**23,000**	3,700	9,300	< 200	570
DUP-01	10/29/2014	**10,000**	3,300	11,000	< 500	1,600
	10/29/2014	**13,000**	3,600	12,000	< 200	1,600
MW-101D	4/19/2014	33	3.2	3.3	< 1.0	< 1.0
	10/29/2014	110	16	14	< 1.0	< 1.0
MW-102D	4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/29/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TW-25	9/1/2009	**17,200**	361	279	< 100	< 100
	8/31/2010	**8,840**	212	161	< 100	< 100
	12/12/2013	140	9.4	5	< 1.0	< 1.0
	10/30/2014	1,400	88	55	< 1.0	< 1.0
TW-29	9/28/2009	**52,300**	9,190	6,650	25.8	461
	8/31/2010	**40,200**	8,160	3,610	< 500	616
DUP-02	12/12/2013	38	38	610	< 10	< 10
	12/12/2013	62	27	67	< 1.0	5.4
	10/30/2014	**8,200**	2,300	7,200	49	870

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Table 2 - Summary of VOCs in Groundwater and Surface Water
Colonial Terminals Plant #2 (HSI 10098)
November 2014

	Analyte	PCE	TCE	c12DCE	t12DCE	Vinyl Chloride
	DNAPL [(1)]	2,000	14,720	35,000	63,000	88,000
	Units	ug/l	ug/l	ug/l	ug/l	ug/l
Location	**Date Sampled**					
SW-01	9/17/2010	< 1	< 1	< 1	< 1	< 1
	12/13/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-01R	10/28/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-02	9/17/2010	< 1	< 1	< 1	< 1	< 1
	12/13/2013	1.4	< 1.0	< 1.0	< 1.0	< 1.0
	4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-02R	10/28/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-03	9/17/2010	< 1	< 1	< 1	< 1	< 1
	12/13/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-03R	10/28/2014	1.1	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

(1) DNAPL Threshold based on 1% Aqueous Solubility (USEPA 2004)

< -- Analyte was not detected at the laboratory reporting limit indicated

ug/L -- Micrograms per liter (parts per billion)

Bold and highlighted values indicate an exceedance of the chemical-specific DNAPL threshold

ENVIRON

Table 3 - Summary of Metals in Groundwater
Colonial Terminals Plant #2 (HSI No. 10098)
November 2014

		Well ID	MW-09D	MW-09D	MW-09D	MW-09D	MW-09D	MW-11R	MW-11R	MW-11R
		Date Sampled	8/12/2008	9/2/2009	9/1/2010	12/11/2013	10/29/2014	9/1/2010	12/11/2013	10/29/2014
Analyte	**RRS [(1)]**	**Units**								
Total Metals										
Arsenic	0.01	mg/l	0.0064 B	< 0.0054	< 0.002	< 0.02	< 0.02	< 0.002	< 0.02	< 0.02
Barium	-	mg/l	--	--	--	0.029	0.024	--	0.029	0.029
Cadmium	0.102	mg/l	--	0.0044 B	0.0041	< 0.0050	0.0063	< 0.0025	0.005	< 0.0050
Chromium (total)	0.1	mg/l	< 0.6	< 0.002	< 0.001	< 0.01	< 0.01	0.0049	< 0.01	< 0.01
Lead	0.015	mg/l	0.005	< 0.002	< 0.001	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01
Mercury	-	mg/l	--	--	--	< 0.00020	< 0.00020	--	< 0.00020	< 0.00020
Selenium	-	mg/l	--	< 0.0034	< 0.002	< 0.02	< 0.02	< 0.002	< 0.02	< 0.02
Silver	-	mg/l	--	--	--	< 0.01	< 0.01	--	< 0.01	< 0.01
Dissolved Metals										
Arsenic	0.01	mg/l	--	--	--	--	--	--	--	--
Barium	-	mg/l	--	--	--	--	--	--	--	--
Cadmium	0.102	mg/l	--	--	--	--	--	--	--	--
Chromium (total)	0.1	mg/l	--	--	--	--	--	--	--	--
Lead	0.015	mg/l	--	--	--	--	--	--	--	--
Mercury	-	mg/l	--	--	--	--	--	--	--	--
Selenium	-	mg/l	--	--	--	--	--	--	--	--
Silver	-	mg/l	--	--	--	--	--	--	--	--

Notes:

(1) Type 4 Risk Reduction Standard presented in the Second CAER for Groundwater (ERM, 2010)

Dissolved metals were collected from MW-12R during the 2013 event due to elevated turbidity readings

October 2014 results are highlighted in yellow

Bold and highlighted values indicate an exceedance of the RRS

-- Analysis was not conducted

< -- Analyte was not detected at the laboratory reporting limit indicated

B -- Analyte was found in the associated blank

mg/L -- Milligrams per liter (parts per million)

ENVIRON

Table 3 - Summary of Metals in Groundwater
Colonial Terminals Plant #2 (HSI No. 10098)
November 2014

		Well ID	MW-12R	MW-12R	MW-12R	DUP-02	MW-25	MW-25	MW-25	MW-25
		Date Sampled	8/31/2010	12/12/2013	10/29/2014	10/29/2014	9/3/2009	9/2/2010	12/11/2013	10/30/2014
Analyte	**RRS [(1)]**	**Units**								
Total Metals										
Arsenic	0.01	mg/l	**0.0881**	**0.11**	**0.1**	**0.11**	< 0.0054	**0.26**	**0.058**	**0.064**
Barium	-	mg/l	--	0.017	< 0.01	< 0.01	--	--	0.047	0.092
Cadmium	0.102	mg/l	--	< 0.0050	< 0.0050	< 0.0050	--	--	< 0.0050	< 0.0050
Chromium (total)	0.1	mg/l	--	< 0.01	< 0.01	< 0.01	--	--	< 0.01	< 0.01
Lead	0.015	mg/l	< 0.001	< 0.01	< 0.01	< 0.01	< 0.002	**1.36**	**0.38**	**0.37**
Mercury	-	mg/l	--	0.00098	< 0.00020	< 0.00020	--	--	< 0.00020	< 0.00020
Selenium	-	mg/l	--	< 0.02	< 0.02	< 0.02	--	--	< 0.02	< 0.02
Silver	-	mg/l	--	< 0.01	< 0.01	< 0.01	--	--	< 0.01	< 0.01
Dissolved Metals										
Arsenic	0.01	mg/l	--	**0.11**	--	--	--	**220**	--	--
Barium	-	mg/l	--	< 0.01	--	--	--	--	--	--
Cadmium	0.102	mg/l	--	< 0.0050	--	--	--	--	--	--
Chromium (total)	0.1	mg/l	--	< 0.01	--	--	--	--	--	--
Lead	0.015	mg/l	--	< 0.01	--	--	--	**0.937**	--	--
Mercury	-	mg/l	--	< 0.00020	--	--	--	--	--	--
Selenium	-	mg/l	--	< 0.02	--	--	--	--	--	--
Silver	-	mg/l	--	< 0.01	--	--	--	--	--	--

Notes:

(1) Type 4 Risk Reduction Standard presented i n the Second CAER for Groundwater (ERM, 2010)

Dissolved metals were collected from MW-12R during the 2013 event due to elevated turbidity readings

October 2014 results are highlighted in yellow

Bold and highlighted values indicate an exceed ance of the RRS

-- Analysis was not conducted

< -- Analyte was not detected at the laboratory reporting limit indicated

B -- Analyte was found in the associated blank

mg/L -- Milligrams per liter (parts per million)

ENVIRON

Table 3 - Summary of Metals in Groundwater
Colonial Terminals Plant #2 (HSI No. 10098)
November 2014

		Well ID	MW-30	MW-30	TW-25	TW-25	TW-25	TW-29	TW-29	TW-29
		Date Sampled	12/12/2013	10/29/2014	9/1/2009	12/12/2013	10/30/2014	9/1/2009	12/12/2013	10/30/2014
Analyte	**RRS [(1)]**	**Units**								
Total Metals										
Arsenic	0.01	mg/l	< 0.02	< 0.02	< 0.0054	< 0.02	< 0.02	< 0.0054	< 0.02	< 0.02
Barium	-	mg/l	0.043	0.067	--	0.042	0.039	--	0.027	0.034
Cadmium	0.102	mg/l	< 0.0050	< 0.0050	< 0.001	< 0.0050	< 0.0050	--	< 0.0050	< 0.0050
Chromium (total)	0.1	mg/l	< 0.01	< 0.01	0.0045 B	< 0.01	< 0.01	--	< 0.01	< 0.01
Lead	0.015	mg/l	< 0.01	< 0.01	< 0.002	< 0.01	< 0.01	< 0.002	< 0.01	< 0.01
Mercury	-	mg/l	< 0.00020	< 0.00020	--	< 0.00020	< 0.00020	--	< 0.00020	< 0.00020
Selenium	-	mg/l	< 0.02	< 0.02	0.0045 B	< 0.02	< 0.02	--	< 0.02	< 0.02
Silver	-	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	--	< 0.01	< 0.01
Dissolved Metals										
Arsenic	0.01	mg/l	--	--	--	--	--	--	--	--
Barium	-	mg/l	--	--	--	--	--	--	--	--
Cadmium	0.102	mg/l	--	--	--	--	--	--	--	--
Chromium (total)	0.1	mg/l	--	--	--	--	--	--	--	--
Lead	0.015	mg/l	--	--	--	--	--	--	--	--
Mercury	-	mg/l	--	--	--	--	--	--	--	--
Selenium	-	mg/l	--	--	--	--	--	--	--	--
Silver	-	mg/l	--	--	--	--	--	--	--	--

Notes:

(1) Type 4 Risk Reduction Standard presented i n the Second CAER for Groundwater (ERM, 2010)

Dissolved metals were collected from MW-12R during the 2013 event due to elevated turbidity readings

October 2014 results are highlighted in yellow

Bold and highlighted values indicate an exceedance of the RRS

-- Analysis was not conducted

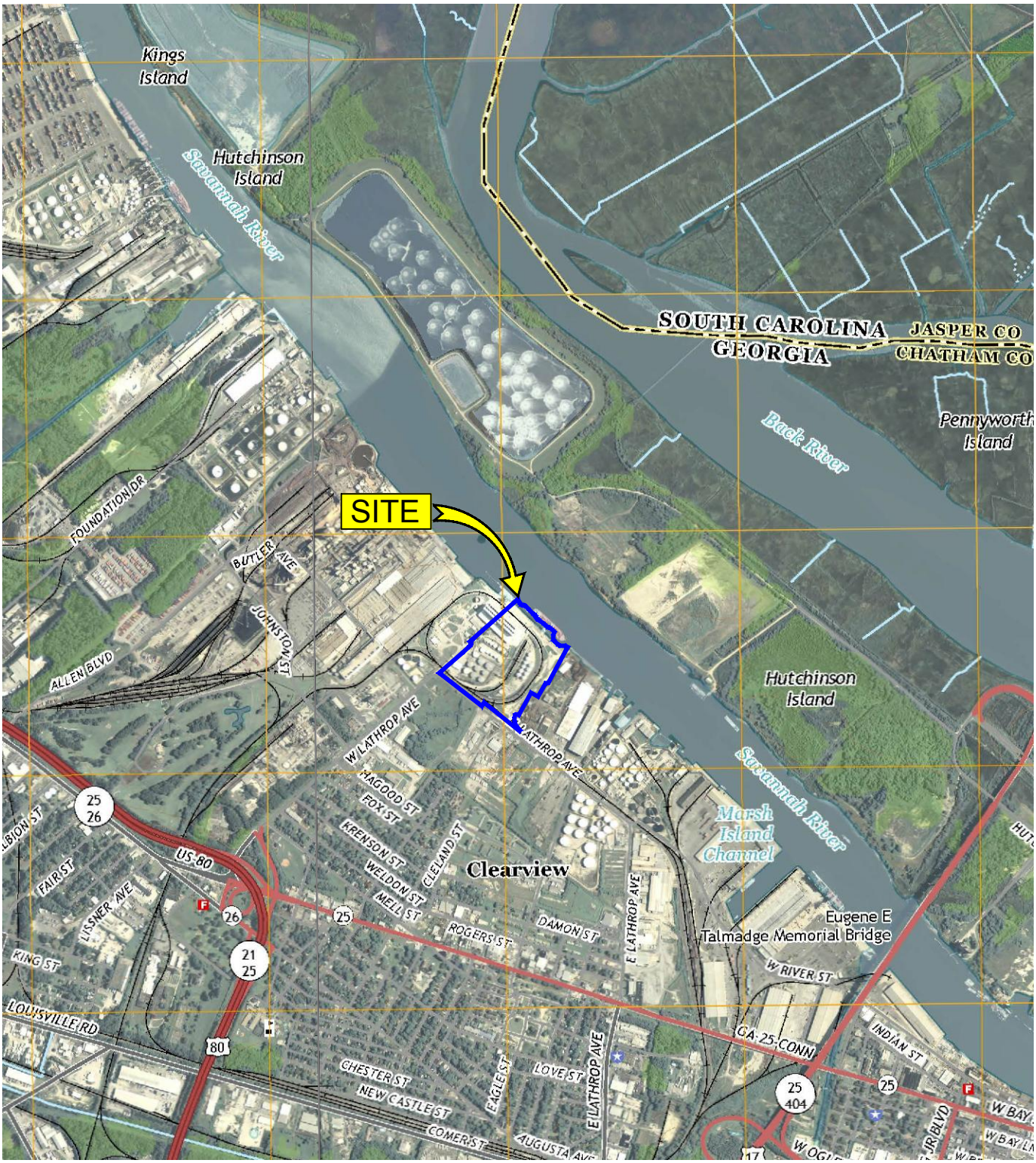
< -- Analyte was not detected at the laboratory reporting limit indicated

B -- Analyte was found in the associated blank

mg/L -- Milligrams per liter (parts per million)

ENVIRON

Figures



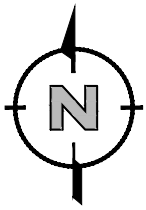
1 1/2 0 1 MILE

2000 0 2000 4000 6000 FEET

CONTOUR INTERVAL 20 FEET

SOURCE: U.S.G.S. 7.5 minute series (topographic)
Garden City, Georgia Quadrangle, 2014;
Savannah, Georgia Quadrangle, 2014.

LEGEND
APPROXIMATE PROPERTY BOUNDARY



ENVIRON

DRAFTED BY: CKL | DATE: 11/20/14

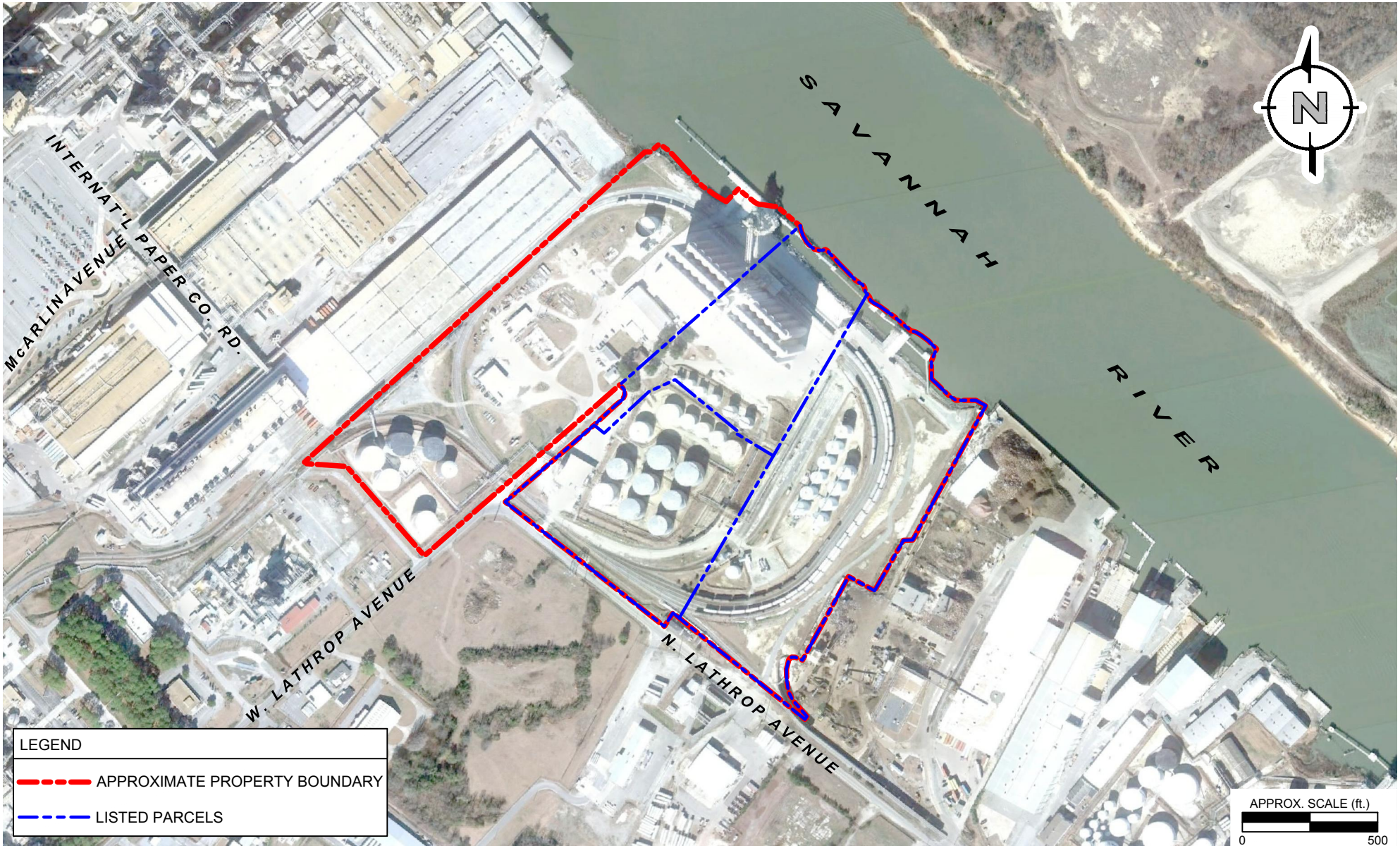
SITE LOCATION MAP
COLONIAL TERMINALS, INC.
373 NORTH LANTHROP AVENUE
SAVANNAH, GEORGIA

FIGURE
1

0730114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\01_Site Location Map.dwg

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\02_Site Layout.dwg



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH. PHOTO TAKEN JANUARY 2011.

ENVIRON

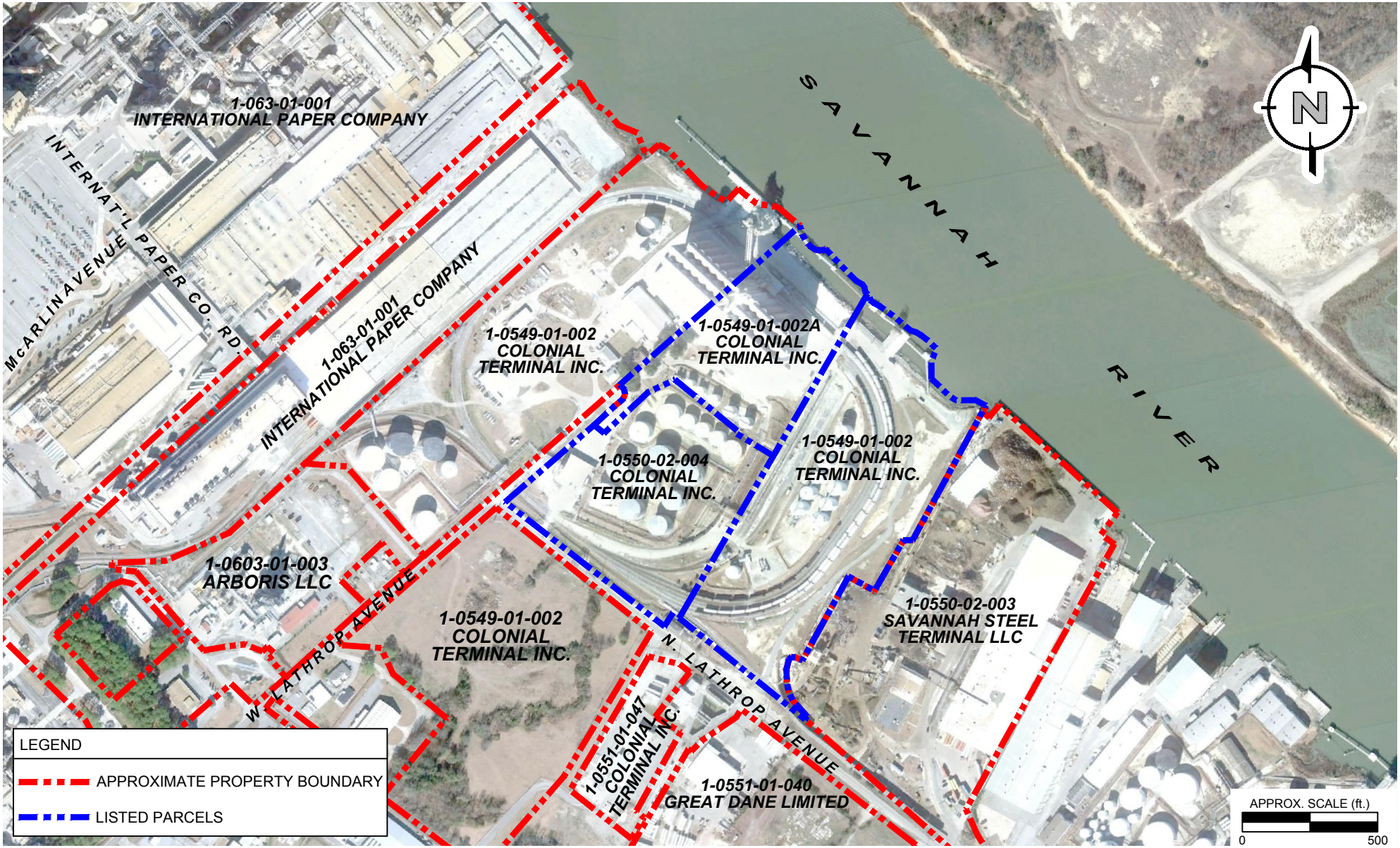
DRAFTED BY: APR/CKL | DATE: 11/18/14

SITE LAYOUT
COLONIAL TERMINALS, INC.
373 NORTH LATHROP AVENUE
SAVANNAH, GEORGIA

FIGURE
2

0730114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\03_Tax Parcel Location Map.dwg



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH. PHOTO TAKEN JANUARY 2011.

ENVIRON

DRAFTED BY: APR/CKL | DATE: 11/20/14

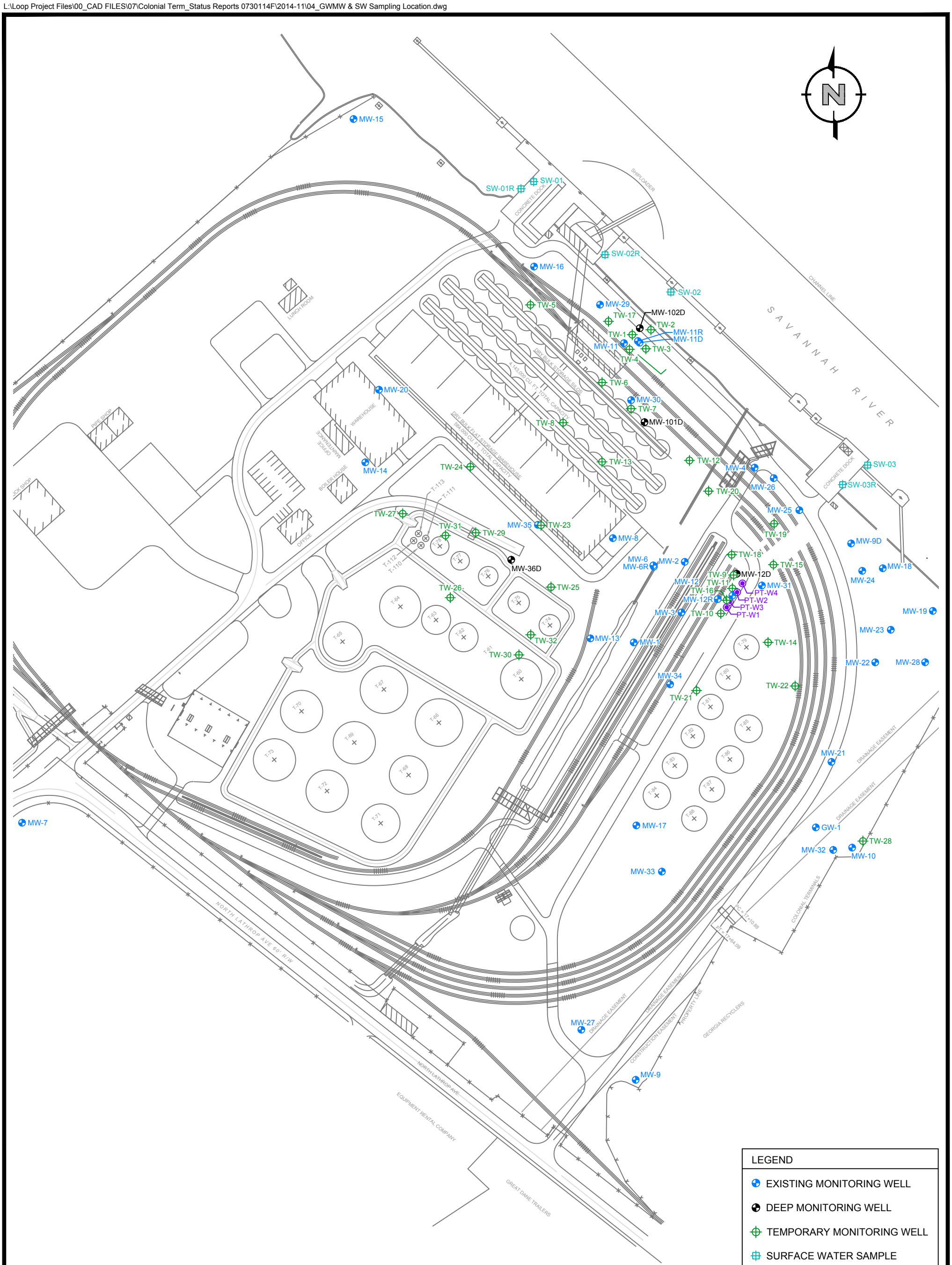
TAX PARCEL LOCATION MAP

COLONIAL TERMINALS, INC.
373 NORTH LATHROP AVENUE
SAVANNAH, GEORGIA

FIGURE
3

0730114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\04_GWMW & SW Sampling Location.dwg



ENVIRON

DRAFTED BY: APR/CKL | DATE: 12/1/14

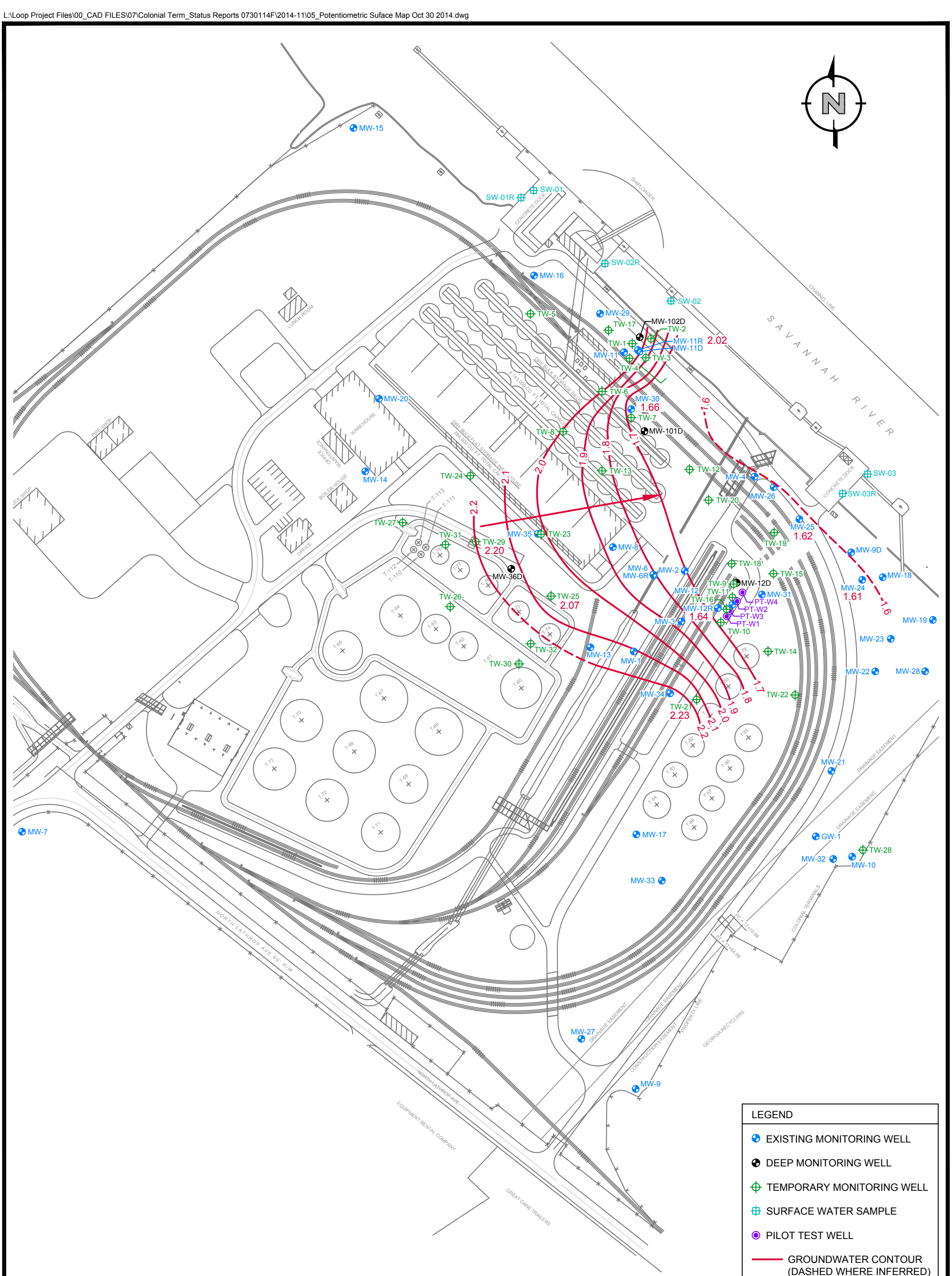
MONITORING WELL AND SURFACE WATER SAMPLING LOCATIONS

COLONIAL TERMINALS, INC.
373 N. LATHROP AVENUE
SAVANNAH, GEORGIA

FIGURE
4

0730114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\05_Potentiometric Suface Map Oct 30 2014.dwg



LEGEND

- EXISTING MONITORING WELL
- DEEP MONITORING WELL
- TEMPORARY MONITORING WELL
- SURFACE WATER SAMPLE
- PILOT TEST WELL
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- 1.61 GROUNDWATER ELEVATION

APPROX. SCALE (ft.)

0 170

ENVIRON

DRAFTED BY: APR/CKL | DATE: 12/1/14

POTENTIOMETRIC SUFACE MAP - OCTOBER 2014

COLONIAL TERMINALS, INC.
373 NORTH LATHROP AVENUE
SAVANNAH, GEORGIA

FIGURE
5

0730114F

SW-01

Date	PCE	TCE	c12DCE	t12DCE	VC
9/17/2010	< 1	< 1	< 1	< 1	< 1
12/13/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

SW-01R

Date	PCE	TCE	c12DCE	t12DCE	VC
10/28/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

MW-11R

Date	PCE	TCE	c12DCE	t12DCE	VC
9/1/2010	**18,200**	2,900	5,570	< 250	218
12/11/2013	**19,000**	3,400	4,900	210	250
10/29/2014	**20,000**	4,100	11,000	170	730

MW-30

Date	PCE	TCE	c12DCE	t12DCE	VC
8/31/2010	**26,200**	4,200	9,100	< 100	771
12/12/2013	**23,000**	3,700	9,300	< 200	570
10/29/2014	**13,000**	3,600	12,000	< 500	1,600

TW-29

Date	PCE	TCE	c12DCE	t12DCE	VC
8/31/2010	**40,200**	8,160	3,610	< 500	616
12/12/2013	62	38	610	< 10	5.4
10/30/2014	**8,200**	2,300	7,200	49	870

TW-25

Date	PCE	TCE	c12DCE	t12DCE	VC
9/1/2009	**17,200**	361	279	< 100	< 100
8/31/2010	**8,840**	212	161	< 100	< 100
12/12/2013	140	9.4	5	< 1.0	< 1.0
10/30/2014	1,400	88	55	< 1.0	< 1.0

SW-02R

Date	PCE	TCE	c12DCE	t12DCE	VC
10/28/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

SW-02

Date	PCE	TCE	c12DCE	t12DCE	VC
9/17/2010	< 1	< 1	< 1	< 1	< 1
12/13/2013	1.4	< 1.0	< 1.0	< 1.0	< 1.0
4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

MW-102D

Date	PCE	TCE	c12DCE	t12DCE	VC
4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
10/29/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

MW-101D

Date	PCE	TCE	c12DCE	t12DCE	VC
4/19/2014	33	3.2	3.3	< 1.0	< 1.0
10/29/2014	110	16	14	< 1.0	< 1.0

SW-03

Date	PCE	TCE	c12DCE	t12DCE	VC
9/17/2010	< 1	< 1	< 1	< 1	< 1
12/13/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4/19/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

SW-03R

Date	PCE	TCE	c12DCE	t12DCE	VC
10/28/2014	1.1	< 1.0	< 1.0	< 1.0	< 1.0

MW-25

Date	PCE	TCE	c12DCE	t12DCE	VC
9/2/2010	**12,400**	946	193	< 100	< 100
12/11/2013	95	26	4.3	< 1.0	< 1.0
10/30/2014	230	47	11	< 2.0	< 2.0

MW-9D

Date	PCE	TCE	c12DCE	t12DCE	VC
9/1/2010	265	36.9	50.5	< 5	6.6
12/11/2013	180	30	42	< 2.0	4.7
10/29/2014	200	31	47	< 2.0	8

MW-12R

Date	PCE	TCE	c12DCE	t12DCE	VC
8/31/2010	**71,700**	1,960	< 1000	< 1000	< 1000
12/12/2013	**19,000**	540	< 200	< 200	< 200
12/12/2013	**18,000**	570	200	< 200	< 200
10/29/2014	**37,000**	750	370	< 250	< 250

DNAPL Criteria

PCE	TCE	c12DCE	t12DCE	VC
2,000	14,720	35,000	63,000	88,000

LEGEND

- EXISTING MONITORING WELL
- DEEP MONITORING WELL
- TEMPORARY MONITORING WELL
- SURFACE WATER SAMPLE
- PILOT TEST WELL

Notes:
PCE = Tetrachloroethylene
TCE = Trichloroethylene
c12DCE = cis-1,2-Dichloroethene
t12DEC = trans-1,2-Dichloroethene
VC = Vinyl Chloride
Bold and highlighted values indicate an exceedance of the chemical-specific DNAPL threshold
DNAPL = Dense Non-Aguaous Phase Liquid
DNAPL Threshold based on 1% Aqueous Solubility (USEPA 2004)
All concentrations are in micrograms per liter (ug/L)
< Analyte was not detected at the laboratory reporting limit indicated

Sources: Environmental Resources Management, Drawing 1, *Site Layout Map*, Revised Cap for VOCs, for Colonial Terminals, Inc., December 2008. Image obtained from Google Earth Pro. Photo dated January 2011.

APPROX. SCALE (ft.)
0 200

VOC RESULTS IN GROUNDWATER AND SURFACE WATER

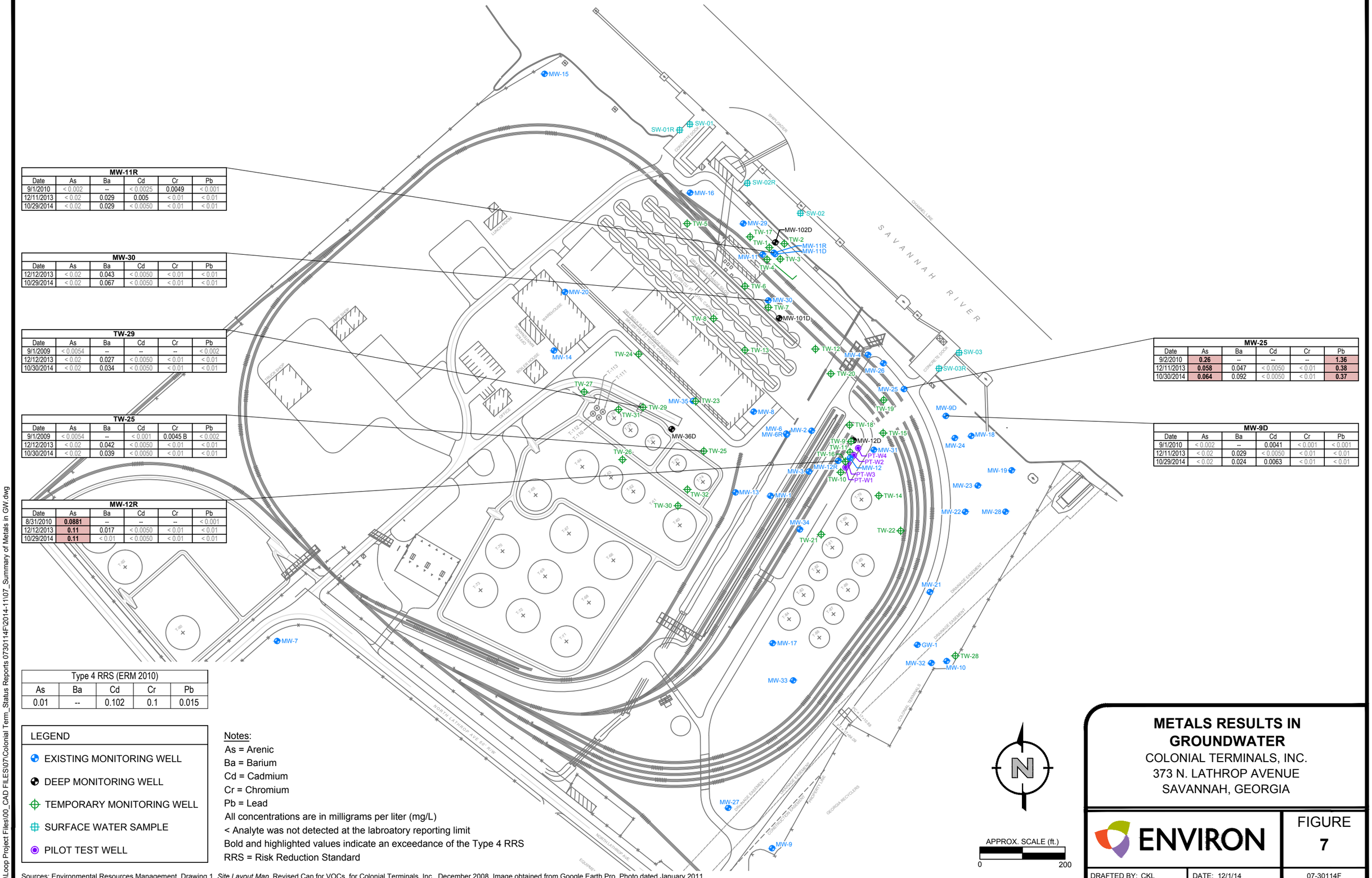
COLONIAL TERMINALS, INC.
373 N. LATHROP AVENUE
SAVANNAH, GEORGIA

ENVIRON

FIGURE 6

DRAFTED BY: CKL | DATE: 12/1/14 | 07-30114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 0730114F\2014-11\06_Summary of VOCs in GW.dwg



MW-11R

Date	As	Ba	Cd	Cr	Pb
9/1/2010	< 0.002	--	< 0.0025	0.0049	< 0.001
12/11/2013	< 0.02	0.029	0.005	< 0.01	< 0.01
10/29/2014	< 0.02	0.029	< 0.0050	< 0.01	< 0.01

MW-30

Date	As	Ba	Cd	Cr	Pb
12/12/2013	< 0.02	0.043	< 0.0050	< 0.01	< 0.01
10/29/2014	< 0.02	0.067	< 0.0050	< 0.01	< 0.01

TW-29

Date	As	Ba	Cd	Cr	Pb
9/1/2009	< 0.0054	--	--	--	< 0.002
12/12/2013	< 0.02	0.027	< 0.0050	< 0.01	< 0.01
10/30/2014	< 0.02	0.034	< 0.0050	< 0.01	< 0.01

TW-25

Date	As	Ba	Cd	Cr	Pb
9/1/2009	< 0.0054	--	< 0.001	0.0045 B	< 0.002
12/12/2013	< 0.02	0.042	< 0.0050	< 0.01	< 0.01
10/30/2014	< 0.02	0.039	< 0.0050	< 0.01	< 0.01

MW-12R

Date	As	Ba	Cd	Cr	Pb
8/31/2010	**0.0881**	--	--	--	< 0.001
12/12/2013	**0.11**	0.017	< 0.0050	< 0.01	< 0.01
10/29/2014	**0.11**	< 0.01	< 0.0050	< 0.01	< 0.01

MW-25

Date	As	Ba	Cd	Cr	Pb
9/2/2010	**0.26**	--	--	--	**1.36**
12/11/2013	**0.058**	0.047	< 0.0050	< 0.01	**0.38**
10/30/2014	**0.064**	0.092	< 0.0050	< 0.01	**0.37**

MW-9D

Date	As	Ba	Cd	Cr	Pb
9/1/2010	< 0.002	--	0.0041	< 0.001	< 0.001
12/11/2013	< 0.02	0.029	< 0.0050	< 0.01	< 0.01
10/29/2014	< 0.02	0.024	0.0063	< 0.01	< 0.01

Type 4 RRS (ERM 2010)

As	Ba	Cd	Cr	Pb
0.01	--	0.102	0.1	0.015

LEGEND

- EXISTING MONITORING WELL
- DEEP MONITORING WELL
- TEMPORARY MONITORING WELL
- SURFACE WATER SAMPLE
- PILOT TEST WELL

Notes:
As = Arenic
Ba = Barium
Cd = Cadmium
Cr = Chromium
Pb = Lead
All concentrations are in milligrams per liter (mg/L)
< Analyte was not detected at the labroatory reporting limit
Bold and highlighted values indicate an exceedance of the Type 4 RRS
RRS = Risk Reduction Standard

Sources: Environmental Resources Management, Drawing 1, *Site Layout Map*, Revised Cap for VOCs, for Colonial Terminals, Inc., December 2008. Image obtained from Google Earth Pro. Photo dated January 2011.

METALS RESULTS IN GROUNDWATER

COLONIAL TERMINALS, INC.
373 N. LATHROP AVENUE
SAVANNAH, GEORGIA

ENVIRON

FIGURE 7

DRAFTED BY: CKL | DATE: 12/1/14 | 07-30114F

L:\Loop Project Files\00_CAD FILES\07\Colonial Term_Status Reports 07301114F\2014-11\07_Summary of Metals in GW.dwg

Appendix A

Purge Logs

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No. 07-30114D | Page 1 of 1

Site Location: Savannah, GA | Date: 10/29/14

Site/Well No.: MW-09D | Weather: sun, 70 °F

Site Personnel: KN and (AH)

Well Data		Purge Data	
Well Diameter/ Material	2" sch 40 PVC	Purge Method	low flow
Well Depth (ft BTOC)	31.00	Pump Type Used	peristaltic
Water Level (ft BTOC)	12.84	WQ Meter(s) Used	YSI-556
Water Column in Well (ft)	18.16	Pump Intake Depth	4 ft. off btm
Casing Volume Multiplier	0.163	Static Pumping Level	12.41
Gallons in Well	2.96	Total Gallons Purged	~2.6
Well Condition	fair poor, both bolts broken, no seal, cracked pad, manhole full of water		

Time		Field Parameters	Initial	Final
Begin Purge	1006	Color	clear	→
End Purge	1056	Odor	none	→
Sample Time (as on COC)	1100	Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1010	12.92	0.3	6.64	22.25	4136	6.16	1.59	132.2
1017	12.88	0.5	1.22	22.12	4134	6.17	1.03	133.8
1023	12.86	0.8	2.08	22.09	4124	6.20	0.86	132.3
1027	12.72	1.1	4.60	22.08	4120	6.20	0.71	131.3
1033	12.62	1.4	1.34	22.22	4111	6.21	0.61	128.9
1037	12.56	1.6	3.80	22.25	4117	6.20	0.57	127.6
1041	12.50	1.8	4.59	22.26	4114	6.20	0.54	126.6
1045	12.41	2.0	2.20	22.24	4120	6.20	0.49	125.3

Laboratory Data

Laboratory Used: Test America | QAQC Samples: N/A

Analysis Requested: VOCs and RCRA metals

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU | Turbidity = Stable or < 10 NTU

Specific Conductance = 5% | DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No. 07-30114D | Page 1 of 1

Site Location: Savannah, GA | Date: 10/29/14

Site/Well No.: MW-11R | Weather: Sun, 75°F

Site Personnel: KN and (AH)

Well Data

Well Diameter/ Material	1.5" sch 40 PVC
Well Depth (ft BTOC)	20.10
Water Level (ft BTOC)	10.51
Water Column in Well (ft)	9.59
Casing Volume Multiplier	0.092
Gallons in Well	0.88
Well Condition	pad in good condition, 1 bolt sheared

Purge Data

Purge Method	low flow
Pump Type Used	peristaltic
WQ Meter(s) Used	YST-556
Pump Intake Depth	3 ft. off btm
Static Pumping Level	10.23
Total Gallons Purged	1.4

Time

Begin Purge	1134
End Purge	1203
Sample Time (as on COC)	1205

Field Parameters

	Initial	Final
Color	clear	→
Odor	none	→
Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1141	10.42	0.5	0.76	23.40	1070	5.02	9.23	199.4
1146	10.36	0.7	1.78	23.44	1076	5.02	3.21	218.1
1150	10.33	0.9	1.17	23.00	1076	5.02	3.26	228.4
1154	10.29	1.0	0.98	22.99	1076	5.02	3.68	236.4
1158	10.26	1.2	1.09	23.07	1077	5.03	3.51	240.8
1202	10.23	1.3	1.34	23.45	1078	5.04	3.46	243.6

Laboratory Data

Laboratory Used: Test America | QAQC Samples: N/A

Analysis Requested: VOCs and RCRA metals

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU | Turbidity = Stable or < 10 NTU

Specific Conductance = 5% | DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No. 07-30114D | Page 1 of 1

Site Location: Savannah, GA | Date: 10/29/14

Site/Well No.: MW-12R | Weather: Sun, 85°F

Site Personnel: KN and AH

Well Data

Well Diameter/ Material	2" sch 40 PVC
Well Depth (ft BTOC)	19.06
Water Level (ft BTOC)	9.97
Water Column in Well (ft)	9.09
Casing Volume Multiplier	0.163
Gallons in Well	1.48
Well Condition	fair, 1 bent bolt

Purge Data

Purge Method	low flow
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI-556
Pump Intake Depth	4 Ft. off btm
Static Pumping Level	10.06'
Total Gallons Purged	~3.3

Time

Begin Purge	1551
End Purge	1718
Sample Time (as on COC)	1719

Field Parameters

	Initial	Final
Color	white	CLEAR
Odor	none	NONE
Appearance	cloudy	CLEAR

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1555	10.05	0.1	147	25.05	3178	5.21	1.99	150.5
1559	10.02	0.3	94.6	25.43	3177	5.23	1.66	146.7
1604	10.02	0.5	71.5	26.47	3205	5.32	1.44	143.4
1609	10.02	0.8	64.1	27.08	3228	5.35	1.43	137.5
*	- BATTERY DIED ON GEOPUMP							
1633	- RESTARTED PURGE							
1640	10.07	1.5	18.3	25.24	3344	5.44	1.14	116.7
1646	10.07	1.75	13.9	25.10	3369	5.47	1.11	113.2
1651	10.07	2.0	38.1	25.17	3373	5.46	1.15	112.1
1657	10.07	2.3	21.6	25.16	3352	5.45	1.34	113.5
1702	10.06	2.6	15.7	24.61	3359	5.45	1.73	111.3
1708	10.06	2.9	9.2	24.68	3372	5.46	2.60	110.1
1713	10.06	3.1	6.9	24.69	3378	5.46	1.46	109.2
1718	10.06	3.3	4.4	24.65	3376	5.46	1.21	109.3

Laboratory Data

Laboratory Used: Test America | QAQC Samples: Dup-02 (metals only)

Analysis Requested: VOCs and RCRA metals

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU | Turbidity = Stable or < 10 NTU

Specific Conductance = 5% | DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No.: 07-30114D | Page: 1 of 1

Site Location: Savannah, GA | Date: 10/30/14

Site/Well No.: MW-25 | Weather: overcast, 60°F

Site Personnel: KN and AH

Well Data

Well Diameter/ Material	2" sch 40 PVC
Well Depth (ft BTOC)	13.80
Water Level (ft BTOC)	10.90
Water Column in Well (ft)	2.90
Casing Volume Multiplier	0.163
Gallons in Well	0.47
Well Condition	poor, stripped bolts, no seal, buried in 4" of gravel/clay

Purge Data

Purge Method	low flow
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI-556
Pump Intake Depth	1 ft. off btm
Static Pumping Level	10.69
Total Gallons Purged	2.8

Time

Begin Purge	0929
End Purge	1037
Sample Time (as on COC)	1040

Field Parameters

	Initial	Final
Color	clear →	
Odor	none →	
Appearance	no silt →	

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
0937	11.66	0.5	113	22.41	1658	6.20	3.60	90.1
0943	11.64	0.7	60.8	22.11	1734	6.16	1.91	91.8
0950	11.75	1.0	28.7	22.25	1796	6.16	1.40	91.3
0957	11.84	1.2	25.1	22.20	1857	6.16	1.39	89.7
1002	11.84	1.4	15.4	22.16	1873	6.15	1.15	88.0
1007	11.88	1.5	13.2	22.13	1894	6.15	1.15	86.7
1013	11.97	1.7	12.1	22.22	1900	6.15	1.19	87.2
1019	12.04	1.9	23.0	22.38	1890	6.14	1.25	86.9
1023	11.91	2.1	15.4	22.92	1889	6.13	1.10	86.8
1027	11.78	2.3	11.7	22.71	1923	6.14	1.34	84.7
1031	11.72	2.5	9.09	22.34	1959	6.13	1.25	83.1
1035	10.69	2.7	6.57	22.17	1937	6.12	1.22	83.1

Laboratory Data

Laboratory Used: Test America | QAQC Samples: N/A

Analysis Requested: VOCs and RCRA metals

Comments: 6.8' off fence, 17.5' from COIW-119, 13.1' from COIW-118

Casing Volume Multipliers

Gal./Ft.				
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU | Turbidity = Stable or < 10 NTU

Specific Conductance = 5% | DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project	COLONIAL TERMINAL	Project No.		Page	1 of 1
Site Location	SAVANNAH, GA			Date	10/29/14
Site/Well No.	MW-30	Weather			
Site Personnel	KN				

Well Data

Well Diameter/ Material	2" PVC
Well Depth (ft BTOC)	15.11
Water Level (ft BTOC)	11.12
Water Column in Well (ft)	
Casing Volume Multiplier	
Gallons in Well	
Well Condition	

Purge Data

Purge Method	LOW-FLOW
Pump Type Used	PERISTALTIC
WQ Meter(s) Used	YSI 556
Pump Intake Depth	~ 2' OFF BOTTOM
Static Pumping Level	11.13
Total Gallons Purged	~ 1.9

Time

Begin Purge	1409
End Purge	1455
Sample Time (as on COC)	1456

Field Parameters

	Initial	Final
Color	CLEAR	
Odor		
Appearance		

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1414	11.16	0.2	0.4	22.75	1430	5.70	1.39	30.8
1419	11.16	0.4	0.5	22.97	1362	5.70	0.79	35.7
1426	11.15	0.7	0.7	23.03	1366	5.68	0.65	39.1
1432	11.14	0.9	0.4	23.57	1366	5.68	0.49	42.3
1439	11.14	1.2	0.2	23.06	1359	5.68	0.42	45.6
1445	11.13	1.5	0.1	22.91	1350	5.67	0.38	47.7
1451	11.13	1.7	0.1	22.75	1346	5.66	0.35	48.5
1455	11.13	1.9	0.1	22.85	1347	5.67	0.37	49.4

Laboratory Data

Laboratory Used	TEST AMERICA	QAQC Samples:	DUP-01 (VOCs ONLY)
Analysis Requested	VOCs, RCRA METALS		

Casing Volume Multipliers

Gal./Ft.				
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU	Turbidity = Stable or < 10 NTU
Specific Conductance = 5%	DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals Project No. 07-30114D Page 1 of 1

Site Location: Savannah, GA Date: 10/29/14

Site/Well No.: MW-101D Weather: Sun, 85°F

Site Personnel: KN and (AH)

Well Data

Well Diameter/ Material	2" sch 40 PVC
Well Depth (ft BTOC)	55.00
Water Level (ft BTOC)	20.41
Water Column in Well (ft)	34.59
Casing Volume Multiplier	0.163
Gallons in Well	5.64
Well Condition	good

Purge Data

Purge Method	low flow
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI-556
Pump Intake Depth	5 ft. off btm
Static Pumping Level	26.90
Total Gallons Purged	3.3

Time

Begin Purge	1416
End Purge	1515
Sample Time (as on COC)	1520

Field Parameters

	Initial	Final
Color	clear	→
Odor	none	→
Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1422	21.67	0.1	57.6	20.97	1204	7.02	11.31	-95.8
1427	23.02	0.6	22.7	20.67	1207	7.10	0.71	-126.6
1431	23.75	0.9	10.47	21.08	1194	7.18	0.50	-136.1
1435	24.72	1.2	6.12	20.84	1187	7.23	0.42	-143.7
1442	25.38	1.5	7.47	20.58	1166	7.35	0.41	-148.4
1445	25.73	1.7	12.2	20.82	1135	8.07	0.40	-146.7
1449	26.14	2.0	11.3	20.73	913	8.96	1.11	-132.0
1452	26.48	2.2	15.0	20.80	905	8.96	1.26	-126.3
1457	26.62	2.5	9.59	21.05	920	8.84	1.27	-120.7
1501	26.79	2.7	8.77	20.76	945	8.70	1.21	-118.4
1505	26.82	2.8	7.62	20.93	959	8.62	1.16	-117.7
1509	26.90	3.0	7.57	20.22	975	8.51	1.12	-117.0
1513	26.90	3.2	7.53	21.19	990	8.41	1.07	-116.7

Laboratory Data

Laboratory Used: Test America QAQC Samples: N/A

Analysis Requested: VOCs

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU Turbidity = Stable or < 10 NTU

Specific Conductance = 5% DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project	COLONIAL TERMINAL	Project No.		Page	1 of 1
Site Location	SAVANNAH, GA			Date	10/29/14
Site/Well No.	MW-102D	Weather			
Site Personnel	KN				

Well Data

Well Diameter/ Material	2" PVC
Well Depth (ft BTOC)	71
Water Level (ft BTOC)	16.54
Water Column in Well (ft)	
Casing Volume Multiplier	
Gallons in Well	
Well Condition	GOOD

Purge Data

Purge Method	LOW-FLOW
Pump Type Used	PERISTALTIC
WQ Meter(s) Used	YSI 556
Pump Intake Depth	~ 4' OFF BOTTOM
Static Pumping Level	19.88
Total Gallons Purged	~ 3.0

Time

Begin Purge	1136
End Purge	1242
Sample Time (as on COC)	1243

Field Parameters

	Initial	Final
Color	CLEAR	CLEAR
Odor	NONE	NONE
Appearance	CLEAR	CLEAR

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1141	17.60	0.25	3.8	22.14	21901	7.02	0.22	-224.6
1147	18.36	0.5	3.9	21.78	21879	7.02	0.55	-226.0
1153	18.94	0.75	2.2	21.81	21519	7.03	0.44	-230.5
1159	19.27	1.0	1.5	21.92	21379	7.04	0.37	-229.8
1206	19.55	1.25	1.5	21.98	21586	7.02	0.32	-229.1
1212	19.65	1.6	1.3	22.09	21814	7.00	0.28	-227.7
1218	19.78	1.9	1.5	21.92	21968	6.99	0.26	-229.6
1224	19.84	2.2	1.2	21.97	22002	6.98	0.25	-227.1
1231	19.88	2.5	1.3	22.18	22053	6.95	0.21	-222.5
1238	19.88	2.8	1.2	22.05	22081	6.95	0.19	-221.9
1242	19.88	3.0	1.1	21.99	22152	6.95	0.18	-219.1

Laboratory Data

Laboratory Used	TEST AMERICA
QAQC Samples:	N/A
Analysis Requested	VOCs, RCRA METALS

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU — Turbidity = Stable or < 10 NTU

Specific Conductance = 5% — DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No.: 07-30114D | Page: 1 of 1

Site Location: Savannah, GA | Date: 10/30/14

Site/Well No.: TW-25 | Weather: overcast, 60 °F

Site Personnel: KN and AH

Well Data

Well Diameter/ Material	3/4" sch 40 PVC
Well Depth (ft BTOC)	14.60
Water Level (ft BTOC)	9.37
Water Column in Well (ft)	5.23
Casing Volume Multiplier	0.023
Gallons in Well	0.12
Well Condition	fair, one bent bolt, buried under gravel/clay

Purge Data

Purge Method	low flow
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI-556
Pump Intake Depth	2 ft. off btm
Static Pumping Level	unable to determine due to small well dia.
Total Gallons Purged	1.0

Time

Begin Purge	1118
End Purge	1152
Sample Time (as on COC)	1155

Field Parameters

	Initial	Final
Color	clear →	
Odor	none →	
Appearance	no silt →	

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1123	—	0.2	11.36	22.92	805	5.85	0.98	62.4
1128	—	0.3	4.21	22.96	775	5.82	0.83	60.2
1133	—	0.4	1.79	22.80	740	5.81	0.63	58.2
1138	—	0.5	1.08	22.55	725	5.79	0.66	57.3
1142	—	0.6	0.80	22.55	724	5.79	0.57	57.1
1146	—	0.8	0.77	22.47	720	5.78	0.44	56.3
1150	—	0.9	0.51	22.24	716	5.77	0.45	55.6

Yellow ladder → 9.5' — 11.4' — 7.0' — TW-25 — ↓ 72.9' to corner of bld.

Laboratory Data

Laboratory Used: Test America | QAQC Samples: N/A

Analysis Requested: VOCs and RCRA metals

Comments:

Casing Volume Multipliers

Gal./Ft.				
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU | Turbidity = Stable or < 10 NTU

Specific Conductance = 5% | DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals | Project No. 07-30114D | Page 1 of 1

Site Location: Savannah, GA | Date: 10/30/14

Site/Well No.: TW-29 | Weather: overcast, 60°F

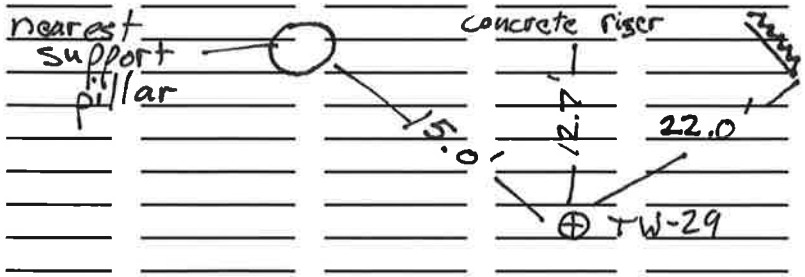
Site Personnel: KN and AH

Well Data		**Purge Data**	
Well Diameter/ Material	3/4" sch 40 PVC	Purge Method	low flow
Well Depth (ft BTOC)	17.79	Pump Type Used	peristaltic
Water Level (ft BTOC)	9.71	WQ Meter(s) Used	YSI-556
Water Column in Well (ft)	8.08	Pump Intake Depth	3 ft. off btm
Casing Volume Multiplier	0.023	Static Pumping Level	unable to determine due to small well dia.
Gallons in Well	0.19	Total Gallons Purged	1.4
Well Condition	poor, no cover, full of gravel/clay		

Time		**Field Parameters**	**Initial**	**Final**
Begin Purge	1233	Color	light grey	clear
End Purge	1301	Odor	none →	
Sample Time (as on COC)	1305	Appearance	no silt →	

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1239	—	0.3	14.3	22.12	1148	5.81	1.63	43.0
1243	~	0.5	10.72	21.92	1151	5.79	1.01	40.0
1247	~	0.7	6.22	22.12	1151	5.77	0.50	38.0
1251	~	0.9	4.68	22.43	1151	5.76	0.66	36.4
1255	~	1.1	4.14	22.23	1149	5.74	0.45	36.6
1259	~	1.3	4.56	22.39	1147	5.73	0.30	36.4



Laboratory Data

Laboratory Used: Test America | QAQC Samples: N/A

Analysis Requested: VOCs and RCRA metals

Gal./Ft.	**Casing Volume Multipliers**				**Stabilization Criteria**	
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653	pH = +/- 0.1 SU	Turbidity = Stable or < 10 NTU
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469	Specific Conductance = 5%	DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals Project No. 07-30114D Page 1 of 1

Site Location: Savannah, GA Date 10/28/14

Site Well No. SW-01R Weather clear, 70°F

Site Personnel KN and AH

Well Data

Well Diameter/ Material	N/A
Well Depth (ft BTOC)	N/A
Water Level (ft BTOC)	N/A
Water Column ~~in Well (ft)~~	3.70
Casing Volume Multiplier	N/A
Gallons in Well	N/A
Well Condition	N/A

Purge Data

Purge Method	N/A
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI - 556
Pump Intake Depth	1.8' off btm
Static Pumping Level	N/A
Total Gallons Purged	N/A

Time

Begin Purge	2047
End Purge	2052
Sample Time (as on COC)	2053

Field Parameters

	Initial	Final
Color	light green	→
Odor	organics	→
Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
2052	—	—	24.5	20.34	11,202	6.99	3.99	128.8
* Arbitrary location -	DTW: 13.20'				DTB: 16.90'			

Laboratory Data

Laboratory Used: Test America QAQC Samples: N/A

Analysis Requested: VOCs

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU Turbidity = Stable or < 10 NTU

Specific Conductance = 5% DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals Project No.: 07-30114D Page: 1 of 1

Site Location: Savannah, GA Date: 10/28/14

Site/Well No.: SW-02R Weather: clear, 70°F

Site Personnel: KN and Alt

Well Data		Purge Data	
Well Diameter/ Material	N/A	Purge Method	N/A
Well Depth (ft BTOC)	N/A	Pump Type Used	peristaltic
Water Level (ft BTOC)	N/A	WQ Meter(s) Used	YSI-556
Water Column ~~in Well~~ (ft)	3.5	Pump Intake Depth	1.7' off btm
Casing Volume Multiplier	N/A	Static Pumping Level	N/A
Gallons in Well	N/A	Total Gallons Purged	N/A
Well Condition	N/A		

Time		Field Parameters	Initial	Final
Begin Purge	2011	Color	light green	→
End Purge	2016	Odor	none	→
Sample Time (as on COC)	2017	Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
2016	—	—	20.3	20.59	9502	6.98	4.88	4.88 139.1
*	Arbitrary location - DTW: 15.60'				DTB: 19.10'			

Laboratory Data

Laboratory Used: Test America QAQC Samples: N/A

Analysis Requested: VOCs

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU Turbidity = Stable or < 10 NTU

Specific Conductance = 5% DO = 0.2 mg/L or 10%

ENVIRON

Water Sampling Log

Project: Colonial Terminals Project No. 07-30114D Page 1 of 1

Site Location: Savannah, GA Date: 10/28/14

Site/Well No.: SW-03R Weather: clear, 70°F

Site Personnel: KN and AH

Well Data

Well Diameter/ Material	N/A
Well Depth (ft BTOC)	N/A
Water Level (ft BTOC)	N/A
Water Column ~~in Well~~ (ft)	2.4
Casing Volume Multiplier	N/A
Gallons in Well	N/A
Well Condition	N/A

Purge Data

Purge Method	~~to~~ N/A
Pump Type Used	peristaltic
WQ Meter(s) Used	YSI-556
Pump Intake Depth	1.2' off btm
Static Pumping Level	N/A
Total Gallons Purged	N/A

Time

Begin Purge	1929
End Purge	1935
Sample Time (as on COC)	1936

Field Parameters

	Initial	Final
Color	clear	→
Odor	organics	→
Appearance	no silt	→

Field Measurements (note units)

Time	Water Level (ft BTOC)	Vol. Purged (Gal)	Turbidity (NTU)	Temp. (°C)	Sp. Conductance (µS/cm)	pH (SU)	DO (mg/L)	ORP (mV)
1935	—	—	25.8	20.86	10,806	6.96	4.65	163.8
*	arbitrary location – DTW: 15.90' DTB: 18.30'							

Laboratory Data

Laboratory Used: Test America QAQC Samples: N/A

Analysis Requested: VOCs

Gal./Ft.	Casing Volume Multipliers			
	¾" = 0.023	1¼" = 0.064	2" = 0.163	4" = 0.653
	1" = 0.041	1½" = 0.092	3" = 0.367	6" = 1.469

Stabilization Criteria

pH = +/- 0.1 SU Turbidity = Stable or < 10 NTU

Specific Conductance = 5% DO = 0.2 mg/L or 10%

Appendix B

Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-106740-1
Client Project/Site: CT – Q4 2014

For:
ENVIRON International Corp.
1600 Parkwood Circle, Suite 310
Atlanta, Georgia 30339

Attn: Mr. Ryan Slakman

Authorized for release by:
11/7/2014 11:28:28 AM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

Job ID: 680-106740-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ENVIRON International Corp.

Project: CT GÇô Q4 2014

Report Number: 680-106740-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/29/2014 4:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-09D 20141029 (680-106740-1), MW-11R 20141029 (680-106740-2), MW-30 20141029 (680-106740-3), MW-101D 20141029 (680-106740-4), MW-102D 20141029 (680-106740-5), SW-01R 20141028 (680-106740-6), SW-02R 20141028 (680-106740-7), SW-03R 20141028 (680-106740-8), Dup-01 20141029 (680-106740-9) and Trip Blank (680-106740-10) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/02/2014, 11/03/2014 and 11/06/2014.

Samples MW-09D 20141029 (680-106740-1)[2X], MW-11R 20141029 (680-106740-2)[100X], MW-30 20141029 (680-106740-3)[200X] and Dup-01 20141029 (680-106740-9)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

This sample is a duplicate, and the results duplicate 680-10740-3. The samples were analyzed at different dilutions. Dup-01 20141029 (680-106740-9)

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 357179.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples MW-09D 20141029 (680-106740-1), MW-11R 20141029 (680-106740-2) and MW-30 20141029 (680-106740-3) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/30/2014 and analyzed on 10/31/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples MW-09D 20141029 (680-106740-1), MW-11R 20141029 (680-106740-2) and MW-30 20141029 (680-106740-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 10/30/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-106740-1	MW-09D 20141029	Water	10/29/14 11:00	10/29/14 16:45
680-106740-2	MW-11R 20141029	Water	10/29/14 12:05	10/29/14 16:45
680-106740-3	MW-30 20141029	Water	10/29/14 14:56	10/29/14 16:45
680-106740-4	MW-101D 20141029	Water	10/29/14 15:20	10/29/14 16:45
680-106740-5	MW-102D 20141029	Water	10/29/14 12:43	10/29/14 16:45
680-106740-6	SW-01R 20141028	Water	10/28/14 20:53	10/29/14 16:45
680-106740-7	SW-02R 20141028	Water	10/28/14 20:17	10/29/14 16:45
680-106740-8	SW-03R 20141028	Water	10/28/14 19:36	10/29/14 16:45
680-106740-9	Dup-01 20141029	Water	10/29/14 00:00	10/29/14 16:45
680-106740-10	Trip Blank	Water	10/28/14 00:00	10/29/14 16:45

Method Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: MW-09D 20141029
Date Collected: 10/29/14 11:00
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		20		ug/L			11/03/14 00:22	2
Benzene	<2.0		2.0		ug/L			11/03/14 00:22	2
Bromochloromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
Bromodichloromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
Bromoform	<2.0		2.0		ug/L			11/03/14 00:22	2
Bromomethane	<10		10		ug/L			11/03/14 00:22	2
2-Butanone	<20		20		ug/L			11/03/14 00:22	2
Carbon disulfide	<4.0		4.0		ug/L			11/03/14 00:22	2
Carbon tetrachloride	<2.0		2.0		ug/L			11/03/14 00:22	2
Chlorobenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
Chloroethane	<10		10		ug/L			11/03/14 00:22	2
Chloroform	<2.0		2.0		ug/L			11/03/14 00:22	2
Chloromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
cis-1,2-Dichloroethene	**47**		2.0		ug/L			11/03/14 00:22	2
cis-1,3-Dichloropropene	<2.0		2.0		ug/L			11/03/14 00:22	2
Cyclohexane	<2.0		2.0		ug/L			11/03/14 00:22	2
Dibromochloromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			11/03/14 00:22	2
1,2-Dibromoethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,2-Dichlorobenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
1,3-Dichlorobenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
1,4-Dichlorobenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
Dichlorodifluoromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,1-Dichloroethane	**2.7**		2.0		ug/L			11/03/14 00:22	2
1,2-Dichloroethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,1-Dichloroethene	**5.8**		2.0		ug/L			11/03/14 00:22	2
1,2-Dichloropropane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,4-Dioxane	<200		200		ug/L			11/03/14 00:22	2
Ethylbenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
2-Hexanone	<20		20		ug/L			11/03/14 00:22	2
Isopropylbenzene	<2.0		2.0		ug/L			11/03/14 00:22	2
Methyl acetate	<10		10		ug/L			11/03/14 00:22	2
Methylcyclohexane	<2.0		2.0		ug/L			11/03/14 00:22	2
Methylene Chloride	<10		10		ug/L			11/03/14 00:22	2
4-Methyl-2-pentanone	<20		20		ug/L			11/03/14 00:22	2
Methyl tert-butyl ether	<20		20		ug/L			11/03/14 00:22	2
m-Xylene & p-Xylene	<2.0		2.0		ug/L			11/03/14 00:22	2
o-Xylene	<2.0		2.0		ug/L			11/03/14 00:22	2
Styrene	<2.0		2.0		ug/L			11/03/14 00:22	2
1,1,2,2-Tetrachloroethane	<2.0		2.0		ug/L			11/03/14 00:22	2
Tetrachloroethene	**200**		2.0		ug/L			11/03/14 00:22	2
Toluene	<2.0		2.0		ug/L			11/03/14 00:22	2
trans-1,2-Dichloroethene	<2.0		2.0		ug/L			11/03/14 00:22	2
trans-1,3-Dichloropropene	<2.0		2.0		ug/L			11/03/14 00:22	2
1,2,3-Trichlorobenzene	<10		10		ug/L			11/03/14 00:22	2
1,2,4-Trichlorobenzene	<10		10		ug/L			11/03/14 00:22	2
1,1,1-Trichloroethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,1,2-Trichloroethane	<2.0		2.0		ug/L			11/03/14 00:22	2
Trichloroethene	**31**		2.0		ug/L			11/03/14 00:22	2

Client Sample ID: MW-09D 20141029

Lab Sample ID: 680-106740-1

Date Collected: 10/29/14 11:00

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<2.0		2.0		ug/L			11/03/14 00:22	2
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.0		2.0		ug/L			11/03/14 00:22	2
Vinyl chloride	**8.0**		2.0		ug/L			11/03/14 00:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*11/03/14 00:22*	*2*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*11/03/14 00:22*	*2*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*		*11/03/14 00:22*	*2*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*11/03/14 00:22*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		10/30/14 09:24	10/31/14 18:48	1
Barium	**24**		10		ug/L		10/30/14 09:24	10/31/14 18:48	1
Cadmium	**6.3**		5.0		ug/L		10/30/14 09:24	10/31/14 18:48	1
Chromium	<10		10		ug/L		10/30/14 09:24	10/31/14 18:48	1
Silver	<10		10		ug/L		10/30/14 09:24	10/31/14 18:48	1
Lead	<10		10		ug/L		10/30/14 09:24	10/31/14 18:48	1
Selenium	<20		20		ug/L		10/30/14 09:24	10/31/14 18:48	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		10/30/14 10:02	10/30/14 16:55	1

Client Sample ID: MW-11R 20141029

Lab Sample ID: 680-106740-2

Date Collected: 10/29/14 12:05

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1000		1000		ug/L			11/03/14 01:26	100
Benzene	<100		100		ug/L			11/03/14 01:26	100
Bromochloromethane	<100		100		ug/L			11/03/14 01:26	100
Bromodichloromethane	<100		100		ug/L			11/03/14 01:26	100
Bromoform	<100		100		ug/L			11/03/14 01:26	100
Bromomethane	<500		500		ug/L			11/03/14 01:26	100
2-Butanone	<1000		1000		ug/L			11/03/14 01:26	100
Carbon disulfide	<200		200		ug/L			11/03/14 01:26	100
Carbon tetrachloride	<100		100		ug/L			11/03/14 01:26	100
Chlorobenzene	<100		100		ug/L			11/03/14 01:26	100
Chloroethane	<500		500		ug/L			11/03/14 01:26	100
Chloroform	<100		100		ug/L			11/03/14 01:26	100
Chloromethane	<100		100		ug/L			11/03/14 01:26	100
cis-1,2-Dichloroethene	**11000**		100		ug/L			11/03/14 01:26	100
cis-1,3-Dichloropropene	<100		100		ug/L			11/03/14 01:26	100
Cyclohexane	<100		100		ug/L			11/03/14 01:26	100
Dibromochloromethane	<100		100		ug/L			11/03/14 01:26	100
1,2-Dibromo-3-Chloropropane	<500		500		ug/L			11/03/14 01:26	100
1,2-Dibromoethane	<100		100		ug/L			11/03/14 01:26	100
1,2-Dichlorobenzene	<100		100		ug/L			11/03/14 01:26	100

Client Sample ID: MW-11R 20141029
Date Collected: 10/29/14 12:05
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<100		100		ug/L			11/03/14 01:26	100
1,4-Dichlorobenzene	<100		100		ug/L			11/03/14 01:26	100
Dichlorodifluoromethane	<100		100		ug/L			11/03/14 01:26	100
1,1-Dichloroethane	**110**		100		ug/L			11/03/14 01:26	100
1,2-Dichloroethane	<100		100		ug/L			11/03/14 01:26	100
1,1-Dichloroethene	**170**		100		ug/L			11/03/14 01:26	100
1,2-Dichloropropane	<100		100		ug/L			11/03/14 01:26	100
1,4-Dioxane	<10000		10000		ug/L			11/03/14 01:26	100
Ethylbenzene	<100		100		ug/L			11/03/14 01:26	100
2-Hexanone	<1000		1000		ug/L			11/03/14 01:26	100
Isopropylbenzene	<100		100		ug/L			11/03/14 01:26	100
Methyl acetate	<500		500		ug/L			11/03/14 01:26	100
Methylcyclohexane	<100		100		ug/L			11/03/14 01:26	100
Methylene Chloride	<500		500		ug/L			11/03/14 01:26	100
4-Methyl-2-pentanone	<1000		1000		ug/L			11/03/14 01:26	100
Methyl tert-butyl ether	<1000		1000		ug/L			11/03/14 01:26	100
m-Xylene & p-Xylene	<100		100		ug/L			11/03/14 01:26	100
o-Xylene	<100		100		ug/L			11/03/14 01:26	100
Styrene	<100		100		ug/L			11/03/14 01:26	100
1,1,2,2-Tetrachloroethane	<100		100		ug/L			11/03/14 01:26	100
Tetrachloroethene	**20000**		100		ug/L			11/03/14 01:26	100
Toluene	<100		100		ug/L			11/03/14 01:26	100
trans-1,2-Dichloroethene	**170**		100		ug/L			11/03/14 01:26	100
trans-1,3-Dichloropropene	<100		100		ug/L			11/03/14 01:26	100
1,2,3-Trichlorobenzene	<500		500		ug/L			11/03/14 01:26	100
1,2,4-Trichlorobenzene	<500		500		ug/L			11/03/14 01:26	100
1,1,1-Trichloroethane	<100		100		ug/L			11/03/14 01:26	100
1,1,2-Trichloroethane	<100		100		ug/L			11/03/14 01:26	100
Trichloroethene	**4100**		100		ug/L			11/03/14 01:26	100
Trichlorofluoromethane	<100		100		ug/L			11/03/14 01:26	100
1,1,2-Trichloro-1,2,2-trifluoroethane	<100		100		ug/L			11/03/14 01:26	100
Vinyl chloride	**730**		100		ug/L			11/03/14 01:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*11/03/14 01:26*	*100*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*11/03/14 01:26*	*100*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*		*11/03/14 01:26*	*100*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*11/03/14 01:26*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		10/30/14 09:24	10/31/14 19:06	1
Barium	**29**		10		ug/L		10/30/14 09:24	10/31/14 19:06	1
Cadmium	<5.0		5.0		ug/L		10/30/14 09:24	10/31/14 19:06	1
Chromium	<10		10		ug/L		10/30/14 09:24	10/31/14 19:06	1
Silver	<10		10		ug/L		10/30/14 09:24	10/31/14 19:06	1
Lead	<10		10		ug/L		10/30/14 09:24	10/31/14 19:06	1
Selenium	<20		20		ug/L		10/30/14 09:24	10/31/14 19:06	1

Client Sample ID: MW-11R 20141029

Lab Sample ID: 680-106740-2

Date Collected: 10/29/14 12:05

Matrix: Water

Date Received: 10/29/14 16:45

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		10/30/14 10:02	10/30/14 16:58	1

Client Sample ID: MW-30 20141029

Lab Sample ID: 680-106740-3

Date Collected: 10/29/14 14:56

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2000		2000		ug/L			11/03/14 01:48	200
Benzene	<200		200		ug/L			11/03/14 01:48	200
Bromochloromethane	<200		200		ug/L			11/03/14 01:48	200
Bromodichloromethane	<200		200		ug/L			11/03/14 01:48	200
Bromoform	<200		200		ug/L			11/03/14 01:48	200
Bromomethane	<1000		1000		ug/L			11/03/14 01:48	200
2-Butanone	<2000		2000		ug/L			11/03/14 01:48	200
Carbon disulfide	<400		400		ug/L			11/03/14 01:48	200
Carbon tetrachloride	<200		200		ug/L			11/03/14 01:48	200
Chlorobenzene	<200		200		ug/L			11/03/14 01:48	200
Chloroethane	<1000		1000		ug/L			11/03/14 01:48	200
Chloroform	<200		200		ug/L			11/03/14 01:48	200
Chloromethane	<200		200		ug/L			11/03/14 01:48	200
cis-1,2-Dichloroethene	**12000**		200		ug/L			11/03/14 01:48	200
cis-1,3-Dichloropropene	<200		200		ug/L			11/03/14 01:48	200
Cyclohexane	<200		200		ug/L			11/03/14 01:48	200
Dibromochloromethane	<200		200		ug/L			11/03/14 01:48	200
1,2-Dibromo-3-Chloropropane	<1000		1000		ug/L			11/03/14 01:48	200
1,2-Dibromoethane	<200		200		ug/L			11/03/14 01:48	200
1,2-Dichlorobenzene	<200		200		ug/L			11/03/14 01:48	200
1,3-Dichlorobenzene	<200		200		ug/L			11/03/14 01:48	200
1,4-Dichlorobenzene	<200		200		ug/L			11/03/14 01:48	200
Dichlorodifluoromethane	<200		200		ug/L			11/03/14 01:48	200
1,1-Dichloroethane	<200		200		ug/L			11/03/14 01:48	200
1,2-Dichloroethane	<200		200		ug/L			11/03/14 01:48	200
1,1-Dichloroethene	<200		200		ug/L			11/03/14 01:48	200
1,2-Dichloropropane	<200		200		ug/L			11/03/14 01:48	200
1,4-Dioxane	<20000		20000		ug/L			11/03/14 01:48	200
Ethylbenzene	<200		200		ug/L			11/03/14 01:48	200
2-Hexanone	<2000		2000		ug/L			11/03/14 01:48	200
Isopropylbenzene	<200		200		ug/L			11/03/14 01:48	200
Methyl acetate	<1000		1000		ug/L			11/03/14 01:48	200
Methylcyclohexane	<200		200		ug/L			11/03/14 01:48	200
Methylene Chloride	<1000		1000		ug/L			11/03/14 01:48	200
4-Methyl-2-pentanone	<2000		2000		ug/L			11/03/14 01:48	200
Methyl tert-butyl ether	<2000		2000		ug/L			11/03/14 01:48	200
m-Xylene & p-Xylene	<200		200		ug/L			11/03/14 01:48	200
o-Xylene	<200		200		ug/L			11/03/14 01:48	200
Styrene	<200		200		ug/L			11/03/14 01:48	200
1,1,2,2-Tetrachloroethane	<200		200		ug/L			11/03/14 01:48	200
Tetrachloroethene	**13000**		200		ug/L			11/03/14 01:48	200
Toluene	<200		200		ug/L			11/03/14 01:48	200

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: MW-30 20141029

Lab Sample ID: 680-106740-3

Date Collected: 10/29/14 14:56

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<200		200		ug/L			11/03/14 01:48	200
trans-1,3-Dichloropropene	<200		200		ug/L			11/03/14 01:48	200
1,2,3-Trichlorobenzene	<1000		1000		ug/L			11/03/14 01:48	200
1,2,4-Trichlorobenzene	<1000		1000		ug/L			11/03/14 01:48	200
1,1,1-Trichloroethane	<200		200		ug/L			11/03/14 01:48	200
1,1,2-Trichloroethane	<200		200		ug/L			11/03/14 01:48	200
Trichloroethene	**3600**		200		ug/L			11/03/14 01:48	200
Trichlorofluoromethane	<200		200		ug/L			11/03/14 01:48	200
1,1,2-Trichloro-1,2,2-trifluoroethane	<200		200		ug/L			11/03/14 01:48	200
Vinyl chloride	**1600**		200		ug/L			11/03/14 01:48	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*11/03/14 01:48*	*200*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*11/03/14 01:48*	*200*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*11/03/14 01:48*	*200*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*11/03/14 01:48*	*200*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		10/30/14 09:24	10/31/14 18:53	1
Barium	**67**		10		ug/L		10/30/14 09:24	10/31/14 18:53	1
Cadmium	<5.0		5.0		ug/L		10/30/14 09:24	10/31/14 18:53	1
Chromium	<10		10		ug/L		10/30/14 09:24	10/31/14 18:53	1
Silver	<10		10		ug/L		10/30/14 09:24	10/31/14 18:53	1
Lead	<10		10		ug/L		10/30/14 09:24	10/31/14 18:53	1
Selenium	<20		20		ug/L		10/30/14 09:24	10/31/14 18:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		10/30/14 10:02	10/30/14 17:01	1

Client Sample ID: MW-101D 20141029

Lab Sample ID: 680-106740-4

Date Collected: 10/29/14 15:20

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 21:51	1
Benzene	<1.0		1.0		ug/L			11/02/14 21:51	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 21:51	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 21:51	1
Bromoform	<1.0		1.0		ug/L			11/02/14 21:51	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 21:51	1
2-Butanone	<10		10		ug/L			11/02/14 21:51	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 21:51	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 21:51	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 21:51	1
Chloroform	<1.0		1.0		ug/L			11/02/14 21:51	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 21:51	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: MW-101D 20141029
Date Collected: 10/29/14 15:20
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**14**		1.0		ug/L			11/02/14 21:51	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:51	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 21:51	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 21:51	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,1-Dichloroethene	**1.2**		1.0		ug/L			11/02/14 21:51	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,4-Dioxane	<100		100		ug/L			11/02/14 21:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
2-Hexanone	<10		10		ug/L			11/02/14 21:51	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 21:51	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 21:51	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 21:51	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 21:51	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 21:51	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 21:51	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 21:51	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 21:51	1
Styrene	<1.0		1.0		ug/L			11/02/14 21:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
Tetrachloroethene	**110**		1.0		ug/L			11/02/14 21:51	1
Toluene	<1.0		1.0		ug/L			11/02/14 21:51	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:51	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:51	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:51	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:51	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
Trichloroethene	**16**		1.0		ug/L			11/02/14 21:51	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 21:51	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*11/02/14 21:51*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*11/02/14 21:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*11/02/14 21:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/02/14 21:51*	*1*

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: MW-102D 20141029
Date Collected: 10/29/14 12:43
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 22:13	1
Benzene	<1.0		1.0		ug/L			11/02/14 22:13	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
Bromoform	<1.0		1.0		ug/L			11/02/14 22:13	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 22:13	1
2-Butanone	<10		10		ug/L			11/02/14 22:13	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 22:13	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 22:13	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 22:13	1
Chloroform	<1.0		1.0		ug/L			11/02/14 22:13	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 22:13	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 22:13	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 22:13	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 22:13	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 22:13	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,4-Dioxane	<100		100		ug/L			11/02/14 22:13	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
2-Hexanone	<10		10		ug/L			11/02/14 22:13	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 22:13	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 22:13	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 22:13	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 22:13	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 22:13	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 22:13	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 22:13	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 22:13	1
Styrene	<1.0		1.0		ug/L			11/02/14 22:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
Tetrachloroethene	<1.0		1.0		ug/L			11/02/14 22:13	1
Toluene	<1.0		1.0		ug/L			11/02/14 22:13	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 22:13	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 22:13	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 22:13	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 22:13	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
Trichloroethene	<1.0		1.0		ug/L			11/02/14 22:13	1

Client Sample ID: MW-102D 20141029
Lab Sample ID: 680-106740-5
Date Collected: 10/29/14 12:43
Matrix: Water
Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 22:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 22:13	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/02/14 22:13*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*11/02/14 22:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*11/02/14 22:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/02/14 22:13*	*1*

Client Sample ID: SW-01R 20141028
Lab Sample ID: 680-106740-6
Date Collected: 10/28/14 20:53
Matrix: Water
Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 20:47	1
Benzene	<1.0		1.0		ug/L			11/02/14 20:47	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
Bromoform	<1.0		1.0		ug/L			11/02/14 20:47	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 20:47	1
2-Butanone	<10		10		ug/L			11/02/14 20:47	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 20:47	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 20:47	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 20:47	1
Chloroform	<1.0		1.0		ug/L			11/02/14 20:47	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:47	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 20:47	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 20:47	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 20:47	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:47	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,4-Dioxane	<100		100		ug/L			11/02/14 20:47	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
2-Hexanone	<10		10		ug/L			11/02/14 20:47	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 20:47	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 20:47	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 20:47	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 20:47	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: SW-01R 20141028

Lab Sample ID: 680-106740-6

Date Collected: 10/28/14 20:53

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 20:47	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 20:47	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 20:47	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 20:47	1
Styrene	<1.0		1.0		ug/L			11/02/14 20:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
Tetrachloroethene	<1.0		1.0		ug/L			11/02/14 20:47	1
Toluene	<1.0		1.0		ug/L			11/02/14 20:47	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:47	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 20:47	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 20:47	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 20:47	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
Trichloroethene	<1.0		1.0		ug/L			11/02/14 20:47	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 20:47	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/02/14 20:47*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/02/14 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*11/02/14 20:47*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*11/02/14 20:47*	*1*

Client Sample ID: SW-02R 20141028

Lab Sample ID: 680-106740-7

Date Collected: 10/28/14 20:17

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 21:09	1
Benzene	<1.0		1.0		ug/L			11/02/14 21:09	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
Bromoform	<1.0		1.0		ug/L			11/02/14 21:09	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 21:09	1
2-Butanone	<10		10		ug/L			11/02/14 21:09	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 21:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 21:09	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 21:09	1
Chloroform	<1.0		1.0		ug/L			11/02/14 21:09	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:09	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:09	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 21:09	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 21:09	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 21:09	1

Client Sample ID: SW-02R 20141028 — **Lab Sample ID: 680-106740-7**
Date Collected: 10/28/14 20:17 — **Matrix: Water**
Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,4-Dioxane	<100		100		ug/L			11/02/14 21:09	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
2-Hexanone	<10		10		ug/L			11/02/14 21:09	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 21:09	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 21:09	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 21:09	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 21:09	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 21:09	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 21:09	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 21:09	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 21:09	1
Styrene	<1.0		1.0		ug/L			11/02/14 21:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
Tetrachloroethene	<1.0		1.0		ug/L			11/02/14 21:09	1
Toluene	<1.0		1.0		ug/L			11/02/14 21:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:09	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:09	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:09	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:09	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
Trichloroethene	<1.0		1.0		ug/L			11/02/14 21:09	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 21:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 21:09	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/02/14 21:09*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*11/02/14 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*11/02/14 21:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/02/14 21:09*	*1*

Client Sample ID: SW-03R 20141028 — **Lab Sample ID: 680-106740-8**
Date Collected: 10/28/14 19:36 — **Matrix: Water**
Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 21:30	1
Benzene	<1.0		1.0		ug/L			11/02/14 21:30	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 21:30	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 21:30	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: SW-03R 20141028
Date Collected: 10/28/14 19:36
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<1.0		1.0		ug/L			11/02/14 21:30	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 21:30	1
2-Butanone	<10		10		ug/L			11/02/14 21:30	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 21:30	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 21:30	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 21:30	1
Chloroform	<1.0		1.0		ug/L			11/02/14 21:30	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 21:30	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:30	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:30	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 21:30	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 21:30	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:30	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,4-Dioxane	<100		100		ug/L			11/02/14 21:30	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
2-Hexanone	<10		10		ug/L			11/02/14 21:30	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 21:30	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 21:30	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 21:30	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 21:30	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 21:30	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 21:30	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 21:30	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 21:30	1
Styrene	<1.0		1.0		ug/L			11/02/14 21:30	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
Tetrachloroethene	**1.1**		1.0		ug/L			11/02/14 21:30	1
Toluene	<1.0		1.0		ug/L			11/02/14 21:30	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 21:30	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 21:30	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:30	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 21:30	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
Trichloroethene	<1.0		1.0		ug/L			11/02/14 21:30	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 21:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 21:30	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 21:30	1

Client Sample ID: SW-03R 20141028

Lab Sample ID: 680-106740-8

Date Collected: 10/28/14 19:36

Matrix: Water

Date Received: 10/29/14 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/02/14 21:30*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/02/14 21:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*11/02/14 21:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/02/14 21:30*	*1*

Client Sample ID: Dup-01 20141029

Lab Sample ID: 680-106740-9

Date Collected: 10/29/14 00:00

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5000		5000		ug/L			11/06/14 15:59	500
Benzene	<500		500		ug/L			11/06/14 15:59	500
Bromochloromethane	<500		500		ug/L			11/06/14 15:59	500
Bromodichloromethane	<500		500		ug/L			11/06/14 15:59	500
Bromoform	<500		500		ug/L			11/06/14 15:59	500
Bromomethane	<2500		2500		ug/L			11/06/14 15:59	500
2-Butanone	<5000		5000		ug/L			11/06/14 15:59	500
Carbon disulfide	<1000		1000		ug/L			11/06/14 15:59	500
Carbon tetrachloride	<500		500		ug/L			11/06/14 15:59	500
Chlorobenzene	<500		500		ug/L			11/06/14 15:59	500
Chloroethane	<2500		2500		ug/L			11/06/14 15:59	500
Chloroform	<500		500		ug/L			11/06/14 15:59	500
Chloromethane	<500		500		ug/L			11/06/14 15:59	500
cis-1,2-Dichloroethene	**11000**		500		ug/L			11/06/14 15:59	500
cis-1,3-Dichloropropene	<500		500		ug/L			11/06/14 15:59	500
Cyclohexane	<500		500		ug/L			11/06/14 15:59	500
Dibromochloromethane	<500		500		ug/L			11/06/14 15:59	500
1,2-Dibromo-3-Chloropropane	<2500		2500		ug/L			11/06/14 15:59	500
1,2-Dibromoethane	<500		500		ug/L			11/06/14 15:59	500
1,2-Dichlorobenzene	<500		500		ug/L			11/06/14 15:59	500
1,3-Dichlorobenzene	<500		500		ug/L			11/06/14 15:59	500
1,4-Dichlorobenzene	<500		500		ug/L			11/06/14 15:59	500
Dichlorodifluoromethane	<500		500		ug/L			11/06/14 15:59	500
1,1-Dichloroethane	<500		500		ug/L			11/06/14 15:59	500
1,2-Dichloroethane	<500		500		ug/L			11/06/14 15:59	500
1,1-Dichloroethene	<500		500		ug/L			11/06/14 15:59	500
1,2-Dichloropropane	<500		500		ug/L			11/06/14 15:59	500
1,4-Dioxane	<50000		50000		ug/L			11/06/14 15:59	500
Ethylbenzene	<500		500		ug/L			11/06/14 15:59	500
2-Hexanone	<5000		5000		ug/L			11/06/14 15:59	500
Isopropylbenzene	<500		500		ug/L			11/06/14 15:59	500
Methyl acetate	<2500		2500		ug/L			11/06/14 15:59	500
Methylcyclohexane	<500		500		ug/L			11/06/14 15:59	500
Methylene Chloride	<2500		2500		ug/L			11/06/14 15:59	500
4-Methyl-2-pentanone	<5000		5000		ug/L			11/06/14 15:59	500
Methyl tert-butyl ether	<5000		5000		ug/L			11/06/14 15:59	500
m-Xylene & p-Xylene	<500		500		ug/L			11/06/14 15:59	500
o-Xylene	<500		500		ug/L			11/06/14 15:59	500
Styrene	<500		500		ug/L			11/06/14 15:59	500

Client Sample ID: Dup-01 20141029

Lab Sample ID: 680-106740-9

Date Collected: 10/29/14 00:00

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<500		500		ug/L			11/06/14 15:59	500
Tetrachloroethene	**10000**		500		ug/L			11/06/14 15:59	500
Toluene	<500		500		ug/L			11/06/14 15:59	500
trans-1,2-Dichloroethene	<500		500		ug/L			11/06/14 15:59	500
trans-1,3-Dichloropropene	<500		500		ug/L			11/06/14 15:59	500
1,2,3-Trichlorobenzene	<2500		2500		ug/L			11/06/14 15:59	500
1,2,4-Trichlorobenzene	<2500		2500		ug/L			11/06/14 15:59	500
1,1,1-Trichloroethane	<500		500		ug/L			11/06/14 15:59	500
1,1,2-Trichloroethane	<500		500		ug/L			11/06/14 15:59	500
Trichloroethene	**3300**		500		ug/L			11/06/14 15:59	500
Trichlorofluoromethane	<500		500		ug/L			11/06/14 15:59	500
1,1,2-Trichloro-1,2,2-trifluoroethane	<500		500		ug/L			11/06/14 15:59	500
Vinyl chloride	**1600**		500		ug/L			11/06/14 15:59	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/06/14 15:59*	*500*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*11/06/14 15:59*	*500*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*11/06/14 15:59*	*500*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*11/06/14 15:59*	*500*

Client Sample ID: Trip Blank

Lab Sample ID: 680-106740-10

Date Collected: 10/28/14 00:00

Matrix: Water

Date Received: 10/29/14 16:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 20:04	1
Benzene	<1.0		1.0		ug/L			11/02/14 20:04	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
Bromoform	<1.0		1.0		ug/L			11/02/14 20:04	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 20:04	1
2-Butanone	<10		10		ug/L			11/02/14 20:04	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 20:04	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 20:04	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 20:04	1
Chloroform	<1.0		1.0		ug/L			11/02/14 20:04	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:04	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 20:04	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 20:04	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 20:04	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 20:04	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: Trip Blank
Date Collected: 10/28/14 00:00
Date Received: 10/29/14 16:45

Lab Sample ID: 680-106740-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:04	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,4-Dioxane	<100		100		ug/L			11/02/14 20:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
2-Hexanone	<10		10		ug/L			11/02/14 20:04	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 20:04	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 20:04	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 20:04	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 20:04	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 20:04	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 20:04	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 20:04	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 20:04	1
Styrene	<1.0		1.0		ug/L			11/02/14 20:04	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 20:04	1
Tetrachloroethene	<1.0		1.0		ug/L			11/02/14 20:04	1
Toluene	<1.0		1.0		ug/L			11/02/14 20:04	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 20:04	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 20:04	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 20:04	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 20:04	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 20:04	1
Trichloroethene	<1.0		1.0		ug/L			11/02/14 20:04	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 20:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 20:04	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/02/14 20:04*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*11/02/14 20:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*11/02/14 20:04*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*11/02/14 20:04*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-356551/7
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/02/14 19:43	1
Benzene	<1.0		1.0		ug/L			11/02/14 19:43	1
Bromochloromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
Bromodichloromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
Bromoform	<1.0		1.0		ug/L			11/02/14 19:43	1
Bromomethane	<5.0		5.0		ug/L			11/02/14 19:43	1
2-Butanone	<10		10		ug/L			11/02/14 19:43	1
Carbon disulfide	<2.0		2.0		ug/L			11/02/14 19:43	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/02/14 19:43	1
Chlorobenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
Chloroethane	<5.0		5.0		ug/L			11/02/14 19:43	1
Chloroform	<1.0		1.0		ug/L			11/02/14 19:43	1
Chloromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 19:43	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 19:43	1
Cyclohexane	<1.0		1.0		ug/L			11/02/14 19:43	1
Dibromochloromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/02/14 19:43	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/02/14 19:43	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,4-Dioxane	<100		100		ug/L			11/02/14 19:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
2-Hexanone	<10		10		ug/L			11/02/14 19:43	1
Isopropylbenzene	<1.0		1.0		ug/L			11/02/14 19:43	1
Methyl acetate	<5.0		5.0		ug/L			11/02/14 19:43	1
Methylcyclohexane	<1.0		1.0		ug/L			11/02/14 19:43	1
Methylene Chloride	<5.0		5.0		ug/L			11/02/14 19:43	1
4-Methyl-2-pentanone	<10		10		ug/L			11/02/14 19:43	1
Methyl tert-butyl ether	<10		10		ug/L			11/02/14 19:43	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/02/14 19:43	1
o-Xylene	<1.0		1.0		ug/L			11/02/14 19:43	1
Styrene	<1.0		1.0		ug/L			11/02/14 19:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/02/14 19:43	1
Tetrachloroethene	<1.0		1.0		ug/L			11/02/14 19:43	1
Toluene	<1.0		1.0		ug/L			11/02/14 19:43	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/02/14 19:43	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/02/14 19:43	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 19:43	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/02/14 19:43	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/02/14 19:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-356551/7
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			11/02/14 19:43	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/02/14 19:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/02/14 19:43	1
Vinyl chloride	<1.0		1.0		ug/L			11/02/14 19:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/02/14 19:43*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/02/14 19:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*11/02/14 19:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/02/14 19:43*	*1*

Lab Sample ID: LCS 680-356551/3
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	285		ug/L		114	39 - 162
Benzene	50.0	45.7		ug/L		91	74 - 123
Bromochloromethane	50.0	49.8		ug/L		100	60 - 136
Bromodichloromethane	50.0	49.3		ug/L		99	72 - 129
Bromoform	50.0	54.4		ug/L		109	60 - 134
Bromomethane	50.0	50.3		ug/L		101	10 - 171
2-Butanone	250	258		ug/L		103	55 - 142
Carbon disulfide	50.0	55.2		ug/L		110	63 - 142
Carbon tetrachloride	50.0	49.0		ug/L		98	70 - 131
Chlorobenzene	50.0	47.9		ug/L		96	79 - 120
Chloroethane	50.0	53.2		ug/L		106	47 - 148
Chloroform	50.0	49.4		ug/L		99	76 - 128
Chloromethane	50.0	58.0		ug/L		116	47 - 151
cis-1,2-Dichloroethene	50.0	52.0		ug/L		104	78 - 127
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	73 - 128
Cyclohexane	50.0	53.0		ug/L		106	68 - 137
Dibromochloromethane	50.0	51.6		ug/L		103	63 - 134
1,2-Dibromo-3-Chloropropane	50.0	47.0		ug/L		94	57 - 126
1,2-Dibromoethane	50.0	48.2		ug/L		96	75 - 127
1,2-Dichlorobenzene	50.0	47.2		ug/L		94	77 - 124
1,3-Dichlorobenzene	50.0	46.6		ug/L		93	79 - 123
1,4-Dichlorobenzene	50.0	46.5		ug/L		93	76 - 124
Dichlorodifluoromethane	50.0	60.4		ug/L		121	41 - 165
1,1-Dichloroethane	50.0	50.6		ug/L		101	69 - 132
1,2-Dichloroethane	50.0	47.3		ug/L		95	75 - 120
1,1-Dichloroethene	50.0	53.7		ug/L		107	73 - 134
1,2-Dichloropropane	50.0	45.6		ug/L		91	71 - 126
1,4-Dioxane	1000	937		ug/L		94	43 - 190
Ethylbenzene	50.0	48.6		ug/L		97	78 - 125
2-Hexanone	250	230		ug/L		92	52 - 149
Isopropylbenzene	50.0	50.4		ug/L		101	72 - 129
Methyl acetate	250	260		ug/L		104	26 - 182

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-356551/3
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	50.0	50.3		ug/L		101	72 - 133
Methylene Chloride	50.0	54.5		ug/L		109	79 - 124
4-Methyl-2-pentanone	250	225		ug/L		90	51 - 143
Methyl tert-butyl ether	50.0	53.1		ug/L		106	76 - 126
m-Xylene & p-Xylene	50.0	48.6		ug/L		97	79 - 126
o-Xylene	50.0	49.0		ug/L		98	78 - 126
Styrene	50.0	49.1		ug/L		98	75 - 129
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/L		92	71 - 127
Tetrachloroethene	50.0	47.5		ug/L		95	77 - 128
Toluene	50.0	46.9		ug/L		94	77 - 125
trans-1,2-Dichloroethene	50.0	52.5		ug/L		105	78 - 130
trans-1,3-Dichloropropene	50.0	50.7		ug/L		101	72 - 127
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	63 - 136
1,2,4-Trichlorobenzene	50.0	52.7		ug/L		105	67 - 134
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	76 - 126
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	69 - 127
Trichloroethene	50.0	49.1		ug/L		98	80 - 120
Trichlorofluoromethane	50.0	57.6		ug/L		115	66 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.5		ug/L		107	72 - 139
Vinyl chloride	50.0	64.6		ug/L		129	58 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 680-356551/4
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	258		ug/L		103	39 - 162	10	50
Benzene	50.0	45.6		ug/L		91	74 - 123	0	30
Bromochloromethane	50.0	49.3		ug/L		99	60 - 136	1	30
Bromodichloromethane	50.0	50.3		ug/L		101	72 - 129	2	30
Bromoform	50.0	56.2		ug/L		112	60 - 134	3	30
Bromomethane	50.0	51.6		ug/L		103	10 - 171	2	50
2-Butanone	250	257		ug/L		103	55 - 142	0	30
Carbon disulfide	50.0	47.8		ug/L		96	63 - 142	14	30
Carbon tetrachloride	50.0	46.9		ug/L		94	70 - 131	4	30
Chlorobenzene	50.0	48.4		ug/L		97	79 - 120	1	30
Chloroethane	50.0	51.5		ug/L		103	47 - 148	3	40
Chloroform	50.0	47.9		ug/L		96	76 - 128	3	30
Chloromethane	50.0	53.5		ug/L		107	47 - 151	8	30
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	78 - 127	10	30
cis-1,3-Dichloropropene	50.0	50.1		ug/L		100	73 - 128	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-356551/4
Matrix: Water
Analysis Batch: 356551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			50.0	47.8		ug/L		96	68 - 137	10	30
Dibromochloromethane			50.0	53.5		ug/L		107	63 - 134	4	50
1,2-Dibromo-3-Chloropropane			50.0	49.2		ug/L		98	57 - 126	5	50
1,2-Dibromoethane			50.0	51.5		ug/L		103	75 - 127	7	30
1,2-Dichlorobenzene			50.0	47.1		ug/L		94	77 - 124	0	30
1,3-Dichlorobenzene			50.0	46.4		ug/L		93	79 - 123	0	30
1,4-Dichlorobenzene			50.0	46.5		ug/L		93	76 - 124	0	30
Dichlorodifluoromethane			50.0	56.8		ug/L		114	41 - 165	6	50
1,1-Dichloroethane			50.0	45.9		ug/L		92	69 - 132	10	30
1,2-Dichloroethane			50.0	49.2		ug/L		98	75 - 120	4	30
1,1-Dichloroethene			50.0	44.4		ug/L		89	73 - 134	19	30
1,2-Dichloropropane			50.0	45.7		ug/L		91	71 - 126	0	30
1,4-Dioxane			1000	1140		ug/L		114	43 - 190	20	50
Ethylbenzene			50.0	48.9		ug/L		98	78 - 125	1	30
2-Hexanone			250	257		ug/L		103	52 - 149	11	30
Isopropylbenzene			50.0	49.6		ug/L		99	72 - 129	2	30
Methyl acetate			250	250		ug/L		100	26 - 182	4	30
Methylcyclohexane			50.0	49.7		ug/L		99	72 - 133	1	30
Methylene Chloride			50.0	50.5		ug/L		101	79 - 124	8	30
4-Methyl-2-pentanone			250	248		ug/L		99	51 - 143	10	30
Methyl tert-butyl ether			50.0	53.4		ug/L		107	76 - 126	1	30
m-Xylene & p-Xylene			50.0	48.4		ug/L		97	79 - 126	0	30
o-Xylene			50.0	49.1		ug/L		98	78 - 126	0	30
Styrene			50.0	49.9		ug/L		100	75 - 129	2	30
1,1,2,2-Tetrachloroethane			50.0	48.9		ug/L		98	71 - 127	6	30
Tetrachloroethene			50.0	46.6		ug/L		93	77 - 128	2	30
Toluene			50.0	47.9		ug/L		96	77 - 125	2	30
trans-1,2-Dichloroethene			50.0	46.4		ug/L		93	78 - 130	12	30
trans-1,3-Dichloropropene			50.0	53.1		ug/L		106	72 - 127	5	50
1,2,3-Trichlorobenzene			50.0	52.4		ug/L		105	63 - 136	3	30
1,2,4-Trichlorobenzene			50.0	51.7		ug/L		103	67 - 134	2	30
1,1,1-Trichloroethane			50.0	47.0		ug/L		94	76 - 126	4	30
1,1,2-Trichloroethane			50.0	49.5		ug/L		99	69 - 127	5	30
Trichloroethene			50.0	47.9		ug/L		96	80 - 120	2	30
Trichlorofluoromethane			50.0	55.5		ug/L		111	66 - 144	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	48.1		ug/L		96	72 - 139	11	30
Vinyl chloride			50.0	58.9		ug/L		118	58 - 141	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357179/10
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/06/14 12:38	1
Benzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromochloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromodichloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromoform	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromomethane	<5.0		5.0		ug/L			11/06/14 12:38	1
2-Butanone	<10		10		ug/L			11/06/14 12:38	1
Carbon disulfide	<2.0		2.0		ug/L			11/06/14 12:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/06/14 12:38	1
Chlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Chloroethane	<5.0		5.0		ug/L			11/06/14 12:38	1
Chloroform	<1.0		1.0		ug/L			11/06/14 12:38	1
Chloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 12:38	1
Cyclohexane	<1.0		1.0		ug/L			11/06/14 12:38	1
Dibromochloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/06/14 12:38	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,4-Dioxane	<100		100		ug/L			11/06/14 12:38	1
Ethylbenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
2-Hexanone	<10		10		ug/L			11/06/14 12:38	1
Isopropylbenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Methyl acetate	<5.0		5.0		ug/L			11/06/14 12:38	1
Methylcyclohexane	<1.0		1.0		ug/L			11/06/14 12:38	1
Methylene Chloride	<5.0		5.0		ug/L			11/06/14 12:38	1
4-Methyl-2-pentanone	<10		10		ug/L			11/06/14 12:38	1
Methyl tert-butyl ether	<10		10		ug/L			11/06/14 12:38	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/06/14 12:38	1
o-Xylene	<1.0		1.0		ug/L			11/06/14 12:38	1
Styrene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Tetrachloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
Toluene	<1.0		1.0		ug/L			11/06/14 12:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 12:38	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 12:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357179/10
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Vinyl chloride	<1.0		1.0		ug/L			11/06/14 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*11/06/14 12:38*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*11/06/14 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*11/06/14 12:38*	*1*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*11/06/14 12:38*	*1*

Lab Sample ID: LCS 680-357179/5
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	252		ug/L		101	39 - 162
Benzene	50.0	46.9		ug/L		94	74 - 123
Bromochloromethane	50.0	51.7		ug/L		103	60 - 136
Bromodichloromethane	50.0	52.1		ug/L		104	72 - 129
Bromoform	50.0	51.6		ug/L		103	60 - 134
Bromomethane	50.0	38.3		ug/L		77	10 - 171
2-Butanone	250	248		ug/L		99	55 - 142
Carbon disulfide	50.0	45.7		ug/L		91	63 - 142
Carbon tetrachloride	50.0	49.5		ug/L		99	70 - 131
Chlorobenzene	50.0	49.5		ug/L		99	79 - 120
Chloroethane	50.0	47.9		ug/L		96	47 - 148
Chloroform	50.0	52.2		ug/L		104	76 - 128
Chloromethane	50.0	52.2		ug/L		104	47 - 151
cis-1,2-Dichloroethene	50.0	52.6		ug/L		105	78 - 127
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	73 - 128
Cyclohexane	50.0	45.7		ug/L		91	68 - 137
Dibromochloromethane	50.0	57.0		ug/L		114	63 - 134
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	57 - 126
1,2-Dibromoethane	50.0	52.9		ug/L		106	75 - 127
1,2-Dichlorobenzene	50.0	48.7		ug/L		97	77 - 124
1,3-Dichlorobenzene	50.0	46.9		ug/L		94	79 - 123
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	76 - 124
Dichlorodifluoromethane	50.0	43.8		ug/L		88	41 - 165
1,1-Dichloroethane	50.0	45.4		ug/L		91	69 - 132
1,2-Dichloroethane	50.0	48.2		ug/L		96	75 - 120
1,1-Dichloroethene	50.0	43.1		ug/L		86	73 - 134
1,2-Dichloropropane	50.0	47.7		ug/L		95	71 - 126
1,4-Dioxane	1000	1020		ug/L		102	43 - 190
Ethylbenzene	50.0	49.5		ug/L		99	78 - 125
2-Hexanone	250	258		ug/L		103	52 - 149
Isopropylbenzene	50.0	48.9		ug/L		98	72 - 129
Methyl acetate	250	221		ug/L		88	26 - 182

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-357179/5
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	50.0	46.3		ug/L		93	72 - 133
Methylene Chloride	50.0	50.1		ug/L		100	79 - 124
4-Methyl-2-pentanone	250	239		ug/L		96	51 - 143
Methyl tert-butyl ether	50.0	52.6		ug/L		105	76 - 126
m-Xylene & p-Xylene	50.0	48.6		ug/L		97	79 - 126
o-Xylene	50.0	48.5		ug/L		97	78 - 126
Styrene	50.0	49.5		ug/L		99	75 - 129
1,1,2,2-Tetrachloroethane	50.0	45.1		ug/L		90	71 - 127
Tetrachloroethene	50.0	48.6		ug/L		97	77 - 128
Toluene	50.0	48.8		ug/L		98	77 - 125
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	78 - 130
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	72 - 127
1,2,3-Trichlorobenzene	50.0	51.2		ug/L		102	63 - 136
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	67 - 134
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	76 - 126
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	69 - 127
Trichloroethene	50.0	51.0		ug/L		102	80 - 120
Trichlorofluoromethane	50.0	51.3		ug/L		103	66 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.9		ug/L		92	72 - 139
Vinyl chloride	50.0	57.3		ug/L		115	58 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 680-357179/6
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	229		ug/L		92	39 - 162	9	50
Benzene	50.0	46.0		ug/L		92	74 - 123	2	30
Bromochloromethane	50.0	47.4		ug/L		95	60 - 136	9	30
Bromodichloromethane	50.0	48.6		ug/L		97	72 - 129	7	30
Bromoform	50.0	49.9		ug/L		100	60 - 134	3	30
Bromomethane	50.0	39.5		ug/L		79	10 - 171	3	50
2-Butanone	250	238		ug/L		95	55 - 142	4	30
Carbon disulfide	50.0	47.0		ug/L		94	63 - 142	3	30
Carbon tetrachloride	50.0	44.7		ug/L		89	70 - 131	10	30
Chlorobenzene	50.0	46.5		ug/L		93	79 - 120	6	30
Chloroethane	50.0	45.6		ug/L		91	47 - 148	5	40
Chloroform	50.0	46.1		ug/L		92	76 - 128	12	30
Chloromethane	50.0	55.9		ug/L		112	47 - 151	7	30
cis-1,2-Dichloroethene	50.0	46.1		ug/L		92	78 - 127	13	30
cis-1,3-Dichloropropene	50.0	51.1		ug/L		102	73 - 128	5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-357179/6
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			50.0	44.0		ug/L		88	68 - 137	4	30
Dibromochloromethane			50.0	51.4		ug/L		103	63 - 134	10	50
1,2-Dibromo-3-Chloropropane			50.0	47.7		ug/L		95	57 - 126	6	50
1,2-Dibromoethane			50.0	49.6		ug/L		99	75 - 127	6	30
1,2-Dichlorobenzene			50.0	48.1		ug/L		96	77 - 124	1	30
1,3-Dichlorobenzene			50.0	47.2		ug/L		94	79 - 123	1	30
1,4-Dichlorobenzene			50.0	48.6		ug/L		97	76 - 124	0	30
Dichlorodifluoromethane			50.0	49.6		ug/L		99	41 - 165	12	50
1,1-Dichloroethane			50.0	44.6		ug/L		89	69 - 132	2	30
1,2-Dichloroethane			50.0	46.8		ug/L		94	75 - 120	3	30
1,1-Dichloroethene			50.0	41.9		ug/L		84	73 - 134	3	30
1,2-Dichloropropane			50.0	47.1		ug/L		94	71 - 126	1	30
1,4-Dioxane			1000	1000		ug/L		100	43 - 190	2	50
Ethylbenzene			50.0	47.2		ug/L		94	78 - 125	5	30
2-Hexanone			250	244		ug/L		98	52 - 149	5	30
Isopropylbenzene			50.0	47.6		ug/L		95	72 - 129	3	30
Methyl acetate			250	224		ug/L		90	26 - 182	2	30
Methylcyclohexane			50.0	47.5		ug/L		95	72 - 133	3	30
Methylene Chloride			50.0	49.0		ug/L		98	79 - 124	2	30
4-Methyl-2-pentanone			250	236		ug/L		94	51 - 143	1	30
Methyl tert-butyl ether			50.0	50.4		ug/L		101	76 - 126	4	30
m-Xylene & p-Xylene			50.0	46.8		ug/L		94	79 - 126	4	30
o-Xylene			50.0	48.3		ug/L		97	78 - 126	0	30
Styrene			50.0	48.8		ug/L		98	75 - 129	1	30
1,1,2,2-Tetrachloroethane			50.0	47.0		ug/L		94	71 - 127	4	30
Tetrachloroethene			50.0	45.8		ug/L		92	77 - 128	6	30
Toluene			50.0	47.9		ug/L		96	77 - 125	2	30
trans-1,2-Dichloroethene			50.0	46.0		ug/L		92	78 - 130	1	30
trans-1,3-Dichloropropene			50.0	51.5		ug/L		103	72 - 127	2	50
1,2,3-Trichlorobenzene			50.0	52.8		ug/L		106	63 - 136	3	30
1,2,4-Trichlorobenzene			50.0	54.0		ug/L		108	67 - 134	4	30
1,1,1-Trichloroethane			50.0	44.0		ug/L		88	76 - 126	11	30
1,1,2-Trichloroethane			50.0	48.4		ug/L		97	69 - 127	5	30
Trichloroethene			50.0	46.7		ug/L		93	80 - 120	9	30
Trichlorofluoromethane			50.0	42.1		ug/L		84	66 - 144	20	30
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	42.5		ug/L		85	72 - 139	8	30
Vinyl chloride			50.0	61.5		ug/L		123	58 - 141	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-356026/1-A
Matrix: Water
Analysis Batch: 356521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		10/30/14 09:24	10/31/14 17:01	1
Barium	<10		10		ug/L		10/30/14 09:24	10/31/14 17:01	1
Cadmium	<5.0		5.0		ug/L		10/30/14 09:24	10/31/14 17:01	1
Chromium	<10		10		ug/L		10/30/14 09:24	10/31/14 17:01	1
Silver	<10		10		ug/L		10/30/14 09:24	10/31/14 17:01	1
Lead	<10		10		ug/L		10/30/14 09:24	10/31/14 17:01	1
Selenium	<20		20		ug/L		10/30/14 09:24	10/31/14 17:01	1

Lab Sample ID: LCS 680-356026/2-A
Matrix: Water
Analysis Batch: 356521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 356026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	104		ug/L		104	80 - 120
Barium	100	102		ug/L		102	80 - 120
Cadmium	50.0	52.2		ug/L		104	80 - 120
Chromium	100	105		ug/L		105	80 - 120
Silver	50.0	52.5		ug/L		105	80 - 120
Lead	500	512		ug/L		102	80 - 120
Selenium	100	96.5		ug/L		96	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-356007/13-A
Matrix: Water
Analysis Batch: 356318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		10/30/14 08:29	10/30/14 15:54	1

Lab Sample ID: LCS 680-356007/14-A
Matrix: Water
Analysis Batch: 356318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 356007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.54		ug/L		101	80 - 120

GC/MS VOA

Analysis Batch: 356551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-1	MW-09D 20141029	Total/NA	Water	8260B	
680-106740-2	MW-11R 20141029	Total/NA	Water	8260B	
680-106740-3	MW-30 20141029	Total/NA	Water	8260B	
680-106740-4	MW-101D 20141029	Total/NA	Water	8260B	
680-106740-5	MW-102D 20141029	Total/NA	Water	8260B	
680-106740-6	SW-01R 20141028	Total/NA	Water	8260B	
680-106740-7	SW-02R 20141028	Total/NA	Water	8260B	
680-106740-8	SW-03R 20141028	Total/NA	Water	8260B	
680-106740-10	Trip Blank	Total/NA	Water	8260B	
LCS 680-356551/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-356551/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-356551/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 357179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-9	Dup-01 20141029	Total/NA	Water	8260B	
LCS 680-357179/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-357179/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-357179/10	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 356007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-1	MW-09D 20141029	Total/NA	Water	7470A	
680-106740-2	MW-11R 20141029	Total/NA	Water	7470A	
680-106740-3	MW-30 20141029	Total/NA	Water	7470A	
LCS 680-356007/14-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-356007/13-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 356026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-1	MW-09D 20141029	Total/NA	Water	3010A	
680-106740-2	MW-11R 20141029	Total/NA	Water	3010A	
680-106740-3	MW-30 20141029	Total/NA	Water	3010A	
LCS 680-356026/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-356026/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 356318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-1	MW-09D 20141029	Total/NA	Water	7470A	356007
680-106740-2	MW-11R 20141029	Total/NA	Water	7470A	356007
680-106740-3	MW-30 20141029	Total/NA	Water	7470A	356007
LCS 680-356007/14-A	Lab Control Sample	Total/NA	Water	7470A	356007
MB 680-356007/13-A	Method Blank	Total/NA	Water	7470A	356007

Analysis Batch: 356521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-1	MW-09D 20141029	Total/NA	Water	6010C	356026
680-106740-2	MW-11R 20141029	Total/NA	Water	6010C	356026

Metals (Continued)

Analysis Batch: 356521 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106740-3	MW-30 20141029	Total/NA	Water	6010C	356026
LCS 680-356026/2-A	Lab Control Sample	Total/NA	Water	6010C	356026
MB 680-356026/1-A	Method Blank	Total/NA	Water	6010C	356026

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Client Sample ID: MW-09D 20141029

Lab Sample ID: 680-106740-1

Date Collected: 10/29/14 11:00

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	356551	11/03/14 00:22	MMT	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356026	10/30/14 09:24	BJB	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	356521	10/31/14 18:48	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	7470A			50 mL	50 mL	356007	10/30/14 10:02	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	356318	10/30/14 16:55	JKL	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-11R 20141029

Lab Sample ID: 680-106740-2

Date Collected: 10/29/14 12:05

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	5 mL	5 mL	356551	11/03/14 01:26	MMT	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356026	10/30/14 09:24	BJB	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	356521	10/31/14 19:06	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	7470A			50 mL	50 mL	356007	10/30/14 10:02	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	356318	10/30/14 16:58	JKL	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-30 20141029

Lab Sample ID: 680-106740-3

Date Collected: 10/29/14 14:56

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	5 mL	5 mL	356551	11/03/14 01:48	MMT	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356026	10/30/14 09:24	BJB	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	356521	10/31/14 18:53	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Prep	7470A			50 mL	50 mL	356007	10/30/14 10:02	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	356318	10/30/14 17:01	JKL	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-101D 20141029

Lab Sample ID: 680-106740-4

Date Collected: 10/29/14 15:20

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 21:51	MMT	TAL SAV

Client Sample ID: MW-101D 20141029

Lab Sample ID: 680-106740-4

Date Collected: 10/29/14 15:20

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 21:51	MMT	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: MW-102D 20141029

Lab Sample ID: 680-106740-5

Date Collected: 10/29/14 12:43

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 22:13	MMT	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: SW-01R 20141028

Lab Sample ID: 680-106740-6

Date Collected: 10/28/14 20:53

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 20:47	MMT	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: SW-02R 20141028

Lab Sample ID: 680-106740-7

Date Collected: 10/28/14 20:17

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 21:09	MMT	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: SW-03R 20141028

Lab Sample ID: 680-106740-8

Date Collected: 10/28/14 19:36

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 21:30	MMT	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: Dup-01 20141029

Lab Sample ID: 680-106740-9

Date Collected: 10/29/14 00:00

Matrix: Water

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	5 mL	5 mL	357179	11/06/14 15:59	RWB	TAL SAV
	Instrument ID: CMSP									

Client Sample ID: Trip Blank — **Lab Sample ID: 680-106740-10**

Date Collected: 10/28/14 00:00 — **Matrix: Water**

Date Received: 10/29/14 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356551	11/02/14 20:04	MMT	TAL SAV
	Instrument ID: CMSP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Aaron D. Hoffenstein	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-59736-26213.2
Client Contact: ~~Mr. Keith Cole~~ Ryan Slakman	Phone: 570-419-0342	E-Mail: michele.kersey@testamericainc.com		Page: Page ~~2 of 3~~ 1 of 1 AH
Company: ENVIRON International Corp.				Job #:
Address: 1600 Parkwood Circle, Suite 310	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30339				
Phone: 678-388-1663(Tel)	PO #: Purchase Order Requested 07-30114D			
Email: ~~kcole@environcorp.com~~ rslakman@environcorp.com	WO #:			
Project Name: CT Q4 2014 07-30114D	Project #: 68012106			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) TCL SOM01.2	6010C, 7470A	6010C, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	D	N		
MW-09D 20141029	10/29/14	1100	G	Water	N		X	X		4	
MW-11R 20141029	10/29/14	1205	G	Water	N		X	X		4	
~~MW-12 20141029 AH~~	~~10/29/14~~		G	~~Water~~							
MW-30 20141029	10/29/14	1456	G	Water			X	X		4	
MW-101D 20141029	10/29/14	1520	G	Water			X			3	
MW-102D 20141029	10/29/14	1243	G	Water			X			3	
SW-01R 20141028	10/28/14	2053	G	Water			X			3	
SW-02R 20141028	10/28/14	2017	G	Water			X			3	
SW-03R 20141028	10/28/14	1936	G	Water			X			3	
DUP-01 20141029	10/29/14	—	G	Water			X			3	
Trip Blank	—	—	—	Water			X			1	

680-106740 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: 680-106740

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Aaron Hoffenstein	10/29/14 1645		[illegible]	10/29/14 1645	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [illegible]	Date/Time: 10/29/14 1645	Company TA SB

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8 °C

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 680-106740-1

Login Number: 106740

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106740-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-15
California	NELAP	9	3217CA	07-31-14 *
Colorado	State Program	8	N/A	12-31-14
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	09-005r	04-16-15
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-14 *
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-14
Kentucky (UST)	State Program	4	18	06-30-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA140023	12-31-14
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-14
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	01-01-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-14
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-14
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-08-TX	11-30-14 *
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-14
West Virginia DEP	State Program	3	94	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-106791-1
Client Project/Site: CT – Q4 2014

For:
ENVIRON International Corp.
1600 Parkwood Circle, Suite 310
Atlanta, Georgia 30339

Attn: Mr. Ryan Slakman

Authorized for release by:
11/11/2014 11:22:19 AM

Michele Kersey, Project Manager I
(912)354-7858
michele.kersey@testamericainc.com

Job ID: 680-106791-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ENVIRON International Corp.

Project: CT - Q4 2014

Report Number: 680-106791-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/30/2014 3:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-12R 20141029 (680-106791-1), MW-25 20141030 (680-106791-2), TW-25 20141030 (680-106791-3), TW-29 20141030 (680-106791-4) and Trip Blank (680-106791-6) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/05/2014, 11/06/2014 and 11/07/2014.

The laboratory control sample (LCS) for batch 356987 recovered outside control limits for the following analytes: carbondisulfide, acetone, methylene chloride, and 1,1-dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 356987 recovered outside control limits for the following analytes: methyl acetate, 1,1-dichloroethene, carbon disulfide and methylene chloride.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 356987.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 357179.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 357486 recovered outside control limits for the following analytes: 1,2,3 and 1,2,4-trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Samples MW-12R 20141029 (680-106791-1)[250X], MW-25 20141030 (680-106791-2)[2X], TW-25 20141030 (680-106791-3)[10X] and TW-29 20141030 (680-106791-4)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples MW-12R 20141029 (680-106791-1), MW-25 20141030 (680-106791-2), TW-25 20141030 (680-106791-3), TW-29 20141030 (680-106791-4) and DUP-02 20141029 (680-106791-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/04/2014 and analyzed on 11/05/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Job ID: 680-106791-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples MW-12R 20141029 (680-106791-1), MW-25 20141030 (680-106791-2), TW-25 20141030 (680-106791-3), TW-29 20141030 (680-106791-4) and DUP-02 20141029 (680-106791-5) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/05/2014 and analyzed on 11/06/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-106791-1	MW-12R 20141029	Water	10/29/14 17:19	10/30/14 15:05
680-106791-2	MW-25 20141030	Water	10/30/14 10:40	10/30/14 15:05
680-106791-3	TW-25 20141030	Water	10/30/14 11:55	10/30/14 15:05
680-106791-4	TW-29 20141030	Water	10/30/14 13:05	10/30/14 15:05
680-106791-5	DUP-02 20141029	Water	10/29/14 00:00	10/30/14 15:05
680-106791-6	Trip Blank	Water	10/29/14 00:00	10/30/14 15:05

Method Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client Sample ID: MW-12R 20141029
Date Collected: 10/29/14 17:19
Date Received: 10/30/14 15:05

Lab Sample ID: 680-106791-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2500		2500		ug/L			11/06/14 17:59	250
Benzene	<250		250		ug/L			11/06/14 17:59	250
Bromochloromethane	<250		250		ug/L			11/06/14 17:59	250
Bromodichloromethane	<250		250		ug/L			11/06/14 17:59	250
Bromoform	<250		250		ug/L			11/06/14 17:59	250
Bromomethane	<1300		1300		ug/L			11/06/14 17:59	250
2-Butanone	<2500		2500		ug/L			11/06/14 17:59	250
Carbon disulfide	<500		500		ug/L			11/06/14 17:59	250
Carbon tetrachloride	<250		250		ug/L			11/06/14 17:59	250
Chlorobenzene	<250		250		ug/L			11/06/14 17:59	250
Chloroethane	<1300		1300		ug/L			11/06/14 17:59	250
Chloroform	<250		250		ug/L			11/06/14 17:59	250
Chloromethane	<250		250		ug/L			11/06/14 17:59	250
cis-1,2-Dichloroethene	**370**		250		ug/L			11/06/14 17:59	250
cis-1,3-Dichloropropene	<250		250		ug/L			11/06/14 17:59	250
Cyclohexane	<250		250		ug/L			11/06/14 17:59	250
Dibromochloromethane	<250		250		ug/L			11/06/14 17:59	250
1,2-Dibromo-3-Chloropropane	<1300		1300		ug/L			11/06/14 17:59	250
1,2-Dibromoethane	<250		250		ug/L			11/06/14 17:59	250
1,2-Dichlorobenzene	<250		250		ug/L			11/06/14 17:59	250
1,3-Dichlorobenzene	<250		250		ug/L			11/06/14 17:59	250
1,4-Dichlorobenzene	<250		250		ug/L			11/06/14 17:59	250
Dichlorodifluoromethane	<250		250		ug/L			11/06/14 17:59	250
1,1-Dichloroethane	<250		250		ug/L			11/06/14 17:59	250
1,2-Dichloroethane	<250		250		ug/L			11/06/14 17:59	250
1,1-Dichloroethene	<250		250		ug/L			11/06/14 17:59	250
1,2-Dichloropropane	<250		250		ug/L			11/06/14 17:59	250
1,4-Dioxane	<25000		25000		ug/L			11/06/14 17:59	250
Ethylbenzene	<250		250		ug/L			11/06/14 17:59	250
2-Hexanone	<2500		2500		ug/L			11/06/14 17:59	250
Isopropylbenzene	<250		250		ug/L			11/06/14 17:59	250
Methyl acetate	<1300		1300		ug/L			11/06/14 17:59	250
Methylcyclohexane	<250		250		ug/L			11/06/14 17:59	250
Methylene Chloride	<1300		1300		ug/L			11/06/14 17:59	250
4-Methyl-2-pentanone	<2500		2500		ug/L			11/06/14 17:59	250
Methyl tert-butyl ether	<2500		2500		ug/L			11/06/14 17:59	250
m-Xylene & p-Xylene	<250		250		ug/L			11/06/14 17:59	250
o-Xylene	<250		250		ug/L			11/06/14 17:59	250
Styrene	<250		250		ug/L			11/06/14 17:59	250
1,1,2,2-Tetrachloroethane	<250		250		ug/L			11/06/14 17:59	250
Tetrachloroethene	**37000**		250		ug/L			11/06/14 17:59	250
Toluene	<250		250		ug/L			11/06/14 17:59	250
trans-1,2-Dichloroethene	<250		250		ug/L			11/06/14 17:59	250
trans-1,3-Dichloropropene	<250		250		ug/L			11/06/14 17:59	250
1,2,3-Trichlorobenzene	<1300		1300		ug/L			11/06/14 17:59	250
1,2,4-Trichlorobenzene	<1300		1300		ug/L			11/06/14 17:59	250
1,1,1-Trichloroethane	<250		250		ug/L			11/06/14 17:59	250
1,1,2-Trichloroethane	<250		250		ug/L			11/06/14 17:59	250
Trichloroethene	**750**		250		ug/L			11/06/14 17:59	250

Client Sample ID: MW-12R 20141029

Lab Sample ID: 680-106791-1

Date Collected: 10/29/14 17:19

Matrix: Water

Date Received: 10/30/14 15:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<250		250		ug/L			11/06/14 17:59	250
1,1,2-Trichloro-1,2,2-trifluoroethane	<250		250		ug/L			11/06/14 17:59	250
Vinyl chloride	<250		250		ug/L			11/06/14 17:59	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/06/14 17:59*	*250*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*11/06/14 17:59*	*250*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*11/06/14 17:59*	*250*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/06/14 17:59*	*250*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**100**		20		ug/L		11/04/14 14:31	11/05/14 18:53	1
Barium	<10		10		ug/L		11/04/14 14:31	11/05/14 18:53	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 18:53	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 18:53	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 18:53	1
Lead	<10		10		ug/L		11/04/14 14:31	11/05/14 18:53	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 18:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:29	1

Client Sample ID: MW-25 20141030

Lab Sample ID: 680-106791-2

Date Collected: 10/30/14 10:40

Matrix: Water

Date Received: 10/30/14 15:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		20		ug/L			11/07/14 15:23	2
Benzene	<2.0		2.0		ug/L			11/07/14 15:23	2
Bromochloromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
Bromodichloromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
Bromoform	<2.0		2.0		ug/L			11/07/14 15:23	2
Bromomethane	<10		10		ug/L			11/07/14 15:23	2
2-Butanone	<20		20		ug/L			11/07/14 15:23	2
Carbon disulfide	<4.0		4.0		ug/L			11/07/14 15:23	2
Carbon tetrachloride	<2.0		2.0		ug/L			11/07/14 15:23	2
Chlorobenzene	<2.0		2.0		ug/L			11/07/14 15:23	2
Chloroethane	<10		10		ug/L			11/07/14 15:23	2
Chloroform	<2.0		2.0		ug/L			11/07/14 15:23	2
Chloromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
cis-1,2-Dichloroethene	**11**		2.0		ug/L			11/07/14 15:23	2
cis-1,3-Dichloropropene	<2.0		2.0		ug/L			11/07/14 15:23	2
Cyclohexane	<2.0		2.0		ug/L			11/07/14 15:23	2
Dibromochloromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			11/07/14 15:23	2
1,2-Dibromoethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,2-Dichlorobenzene	<2.0		2.0		ug/L			11/07/14 15:23	2

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: MW-25 20141030
Date Collected: 10/30/14 10:40
Date Received: 10/30/14 15:05

Lab Sample ID: 680-106791-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<2.0		2.0		ug/L			11/07/14 15:23	2
1,4-Dichlorobenzene	<2.0		2.0		ug/L			11/07/14 15:23	2
Dichlorodifluoromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,1-Dichloroethane	**23**		2.0		ug/L			11/07/14 15:23	2
1,2-Dichloroethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,1-Dichloroethene	**330**		2.0		ug/L			11/07/14 15:23	2
1,2-Dichloropropane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,4-Dioxane	<200		200		ug/L			11/07/14 15:23	2
Ethylbenzene	<2.0		2.0		ug/L			11/07/14 15:23	2
2-Hexanone	<20		20		ug/L			11/07/14 15:23	2
Isopropylbenzene	<2.0		2.0		ug/L			11/07/14 15:23	2
Methyl acetate	<10		10		ug/L			11/07/14 15:23	2
Methylcyclohexane	<2.0		2.0		ug/L			11/07/14 15:23	2
Methylene Chloride	<10		10		ug/L			11/07/14 15:23	2
4-Methyl-2-pentanone	<20		20		ug/L			11/07/14 15:23	2
Methyl tert-butyl ether	<20		20		ug/L			11/07/14 15:23	2
m-Xylene & p-Xylene	<2.0		2.0		ug/L			11/07/14 15:23	2
o-Xylene	<2.0		2.0		ug/L			11/07/14 15:23	2
Styrene	<2.0		2.0		ug/L			11/07/14 15:23	2
1,1,2,2-Tetrachloroethane	<2.0		2.0		ug/L			11/07/14 15:23	2
Tetrachloroethene	**230**		2.0		ug/L			11/07/14 15:23	2
Toluene	<2.0		2.0		ug/L			11/07/14 15:23	2
trans-1,2-Dichloroethene	<2.0		2.0		ug/L			11/07/14 15:23	2
trans-1,3-Dichloropropene	<2.0		2.0		ug/L			11/07/14 15:23	2
1,2,3-Trichlorobenzene	<10	*	10		ug/L			11/07/14 15:23	2
1,2,4-Trichlorobenzene	<10	*	10		ug/L			11/07/14 15:23	2
1,1,1-Trichloroethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,1,2-Trichloroethane	<2.0		2.0		ug/L			11/07/14 15:23	2
Trichloroethene	**47**		2.0		ug/L			11/07/14 15:23	2
Trichlorofluoromethane	<2.0		2.0		ug/L			11/07/14 15:23	2
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.0		2.0		ug/L			11/07/14 15:23	2
Vinyl chloride	<2.0		2.0		ug/L			11/07/14 15:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/07/14 15:23*	*2*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/07/14 15:23*	*2*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*11/07/14 15:23*	*2*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*11/07/14 15:23*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**64**		20		ug/L		11/04/14 14:31	11/05/14 18:57	1
Barium	**92**		10		ug/L		11/04/14 14:31	11/05/14 18:57	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 18:57	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 18:57	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 18:57	1
Lead	**370**		10		ug/L		11/04/14 14:31	11/05/14 18:57	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 18:57	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: MW-25 20141030

Lab Sample ID: 680-106791-2

Date Collected: 10/30/14 10:40

Matrix: Water

Date Received: 10/30/14 15:05

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:38	1

Client Sample ID: TW-25 20141030

Lab Sample ID: 680-106791-3

Date Collected: 10/30/14 11:55

Matrix: Water

Date Received: 10/30/14 15:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/06/14 16:29	1
Benzene	<1.0		1.0		ug/L			11/06/14 16:29	1
Bromochloromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
Bromodichloromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
Bromoform	<1.0		1.0		ug/L			11/06/14 16:29	1
Bromomethane	<5.0		5.0		ug/L			11/06/14 16:29	1
2-Butanone	<10		10		ug/L			11/06/14 16:29	1
Carbon disulfide	<2.0		2.0		ug/L			11/06/14 16:29	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/06/14 16:29	1
Chlorobenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
Chloroethane	<5.0		5.0		ug/L			11/06/14 16:29	1
Chloroform	**1.2**		1.0		ug/L			11/06/14 16:29	1
Chloromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
cis-1,2-Dichloroethene	**55**		1.0		ug/L			11/06/14 16:29	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 16:29	1
Cyclohexane	<1.0		1.0		ug/L			11/06/14 16:29	1
Dibromochloromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/06/14 16:29	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,1-Dichloroethane	**1.0**		1.0		ug/L			11/06/14 16:29	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,1-Dichloroethene	**1.2**		1.0		ug/L			11/06/14 16:29	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,4-Dioxane	<100		100		ug/L			11/06/14 16:29	1
Ethylbenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
2-Hexanone	<10		10		ug/L			11/06/14 16:29	1
Isopropylbenzene	<1.0		1.0		ug/L			11/06/14 16:29	1
Methyl acetate	<5.0		5.0		ug/L			11/06/14 16:29	1
Methylcyclohexane	<1.0		1.0		ug/L			11/06/14 16:29	1
Methylene Chloride	<5.0		5.0		ug/L			11/06/14 16:29	1
4-Methyl-2-pentanone	<10		10		ug/L			11/06/14 16:29	1
Methyl tert-butyl ether	<10		10		ug/L			11/06/14 16:29	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/06/14 16:29	1
o-Xylene	<1.0		1.0		ug/L			11/06/14 16:29	1
Styrene	<1.0		1.0		ug/L			11/06/14 16:29	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/06/14 16:29	1
Tetrachloroethene	**1400**		10		ug/L			11/07/14 15:44	10
Toluene	<1.0		1.0		ug/L			11/06/14 16:29	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: TW-25 20141030

Lab Sample ID: 680-106791-3

Date Collected: 10/30/14 11:55

Matrix: Water

Date Received: 10/30/14 15:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/06/14 16:29	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 16:29	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 16:29	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 16:29	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/06/14 16:29	1
Trichloroethene	**88**		1.0		ug/L			11/06/14 16:29	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/06/14 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/06/14 16:29	1
Vinyl chloride	<1.0		1.0		ug/L			11/06/14 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*11/06/14 16:29*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/07/14 15:44*	*10*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*11/06/14 16:29*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*11/07/14 15:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*11/06/14 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*11/07/14 15:44*	*10*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/06/14 16:29*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*11/07/14 15:44*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		11/04/14 14:31	11/05/14 19:10	1
Barium	**39**		10		ug/L		11/04/14 14:31	11/05/14 19:10	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 19:10	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 19:10	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 19:10	1
Lead	<10		10		ug/L		11/04/14 14:31	11/05/14 19:10	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 19:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:41	1

Client Sample ID: TW-29 20141030

Lab Sample ID: 680-106791-4

Date Collected: 10/30/14 13:05

Matrix: Water

Date Received: 10/30/14 15:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/06/14 16:59	1
Benzene	<1.0		1.0		ug/L			11/06/14 16:59	1
Bromochloromethane	<1.0		1.0		ug/L			11/06/14 16:59	1
Bromodichloromethane	<1.0		1.0		ug/L			11/06/14 16:59	1
Bromoform	<1.0		1.0		ug/L			11/06/14 16:59	1
Bromomethane	<5.0		5.0		ug/L			11/06/14 16:59	1
2-Butanone	<10		10		ug/L			11/06/14 16:59	1
Carbon disulfide	<2.0		2.0		ug/L			11/06/14 16:59	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/06/14 16:59	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: TW-29 20141030
Date Collected: 10/30/14 13:05
Date Received: 10/30/14 15:05

Lab Sample ID: 680-106791-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
Chloroethane	<5.0		5.0		ug/L			11/06/14 16:59	1
Chloroform	**3.7**		1.0		ug/L			11/06/14 16:59	1
Chloromethane	**8.4**		1.0		ug/L			11/06/14 16:59	1
cis-1,2-Dichloroethene	**7200**		100		ug/L			11/07/14 16:06	100
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 16:59	1
Cyclohexane	<1.0		1.0		ug/L			11/06/14 16:59	1
Dibromochloromethane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/06/14 16:59	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,1-Dichloroethane	**58**		1.0		ug/L			11/06/14 16:59	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,1-Dichloroethene	**33**		1.0		ug/L			11/06/14 16:59	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,4-Dioxane	<100		100		ug/L			11/06/14 16:59	1
Ethylbenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
2-Hexanone	<10		10		ug/L			11/06/14 16:59	1
Isopropylbenzene	<1.0		1.0		ug/L			11/06/14 16:59	1
Methyl acetate	<5.0		5.0		ug/L			11/06/14 16:59	1
Methylcyclohexane	<1.0		1.0		ug/L			11/06/14 16:59	1
Methylene Chloride	**13**		5.0		ug/L			11/06/14 16:59	1
4-Methyl-2-pentanone	<10		10		ug/L			11/06/14 16:59	1
Methyl tert-butyl ether	<10		10		ug/L			11/06/14 16:59	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/06/14 16:59	1
o-Xylene	<1.0		1.0		ug/L			11/06/14 16:59	1
Styrene	<1.0		1.0		ug/L			11/06/14 16:59	1
1,1,2,2-Tetrachloroethane	**2.7**		1.0		ug/L			11/06/14 16:59	1
Tetrachloroethene	**8200**		100		ug/L			11/07/14 16:06	100
Toluene	**1.1**		1.0		ug/L			11/06/14 16:59	1
trans-1,2-Dichloroethene	**49**		1.0		ug/L			11/06/14 16:59	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 16:59	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 16:59	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 16:59	1
1,1,1-Trichloroethane	**9.0**		1.0		ug/L			11/06/14 16:59	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/06/14 16:59	1
Trichloroethene	**2300**		100		ug/L			11/07/14 16:06	100
Trichlorofluoromethane	<1.0		1.0		ug/L			11/06/14 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/06/14 16:59	1
Vinyl chloride	**870**		100		ug/L			11/07/14 16:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/06/14 16:59*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/07/14 16:06*	*100*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*11/06/14 16:59*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*11/07/14 16:06*	*100*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*11/06/14 16:59*	*1*

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: TW-29 20141030

Lab Sample ID: 680-106791-4

Date Collected: 10/30/14 13:05
Date Received: 10/30/14 15:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*11/07/14 16:06*	*100*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/06/14 16:59*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*11/07/14 16:06*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		11/04/14 14:31	11/05/14 19:14	1
Barium	**34**		10		ug/L		11/04/14 14:31	11/05/14 19:14	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 19:14	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 19:14	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 19:14	1
Lead	<10		10		ug/L		11/04/14 14:31	11/05/14 19:14	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 19:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:44	1

Client Sample ID: DUP-02 20141029

Lab Sample ID: 680-106791-5

Date Collected: 10/29/14 00:00
Date Received: 10/30/14 15:05

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**110**		20		ug/L		11/04/14 14:31	11/05/14 19:18	1
Barium	<10		10		ug/L		11/04/14 14:31	11/05/14 19:18	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 19:18	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 19:18	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 19:18	1
Lead	<10		10		ug/L		11/04/14 14:31	11/05/14 19:18	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 19:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:47	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-106791-6

Date Collected: 10/29/14 00:00
Date Received: 10/30/14 15:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/05/14 14:20	1
Benzene	<1.0		1.0		ug/L			11/05/14 14:20	1
Bromochloromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
Bromodichloromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
Bromoform	<1.0		1.0		ug/L			11/05/14 14:20	1
Bromomethane	<5.0		5.0		ug/L			11/05/14 14:20	1
2-Butanone	<10		10		ug/L			11/05/14 14:20	1
Carbon disulfide	<2.0		2.0		ug/L			11/05/14 14:20	1

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: Trip Blank
Date Collected: 10/29/14 00:00
Date Received: 10/30/14 15:05

Lab Sample ID: 680-106791-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<1.0		1.0		ug/L			11/05/14 14:20	1
Chlorobenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
Chloroethane	<5.0		5.0		ug/L			11/05/14 14:20	1
Chloroform	<1.0		1.0		ug/L			11/05/14 14:20	1
Chloromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/05/14 14:20	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/05/14 14:20	1
Cyclohexane	<1.0		1.0		ug/L			11/05/14 14:20	1
Dibromochloromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/05/14 14:20	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/05/14 14:20	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,4-Dioxane	<100		100		ug/L			11/05/14 14:20	1
Ethylbenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
2-Hexanone	<10		10		ug/L			11/05/14 14:20	1
Isopropylbenzene	<1.0		1.0		ug/L			11/05/14 14:20	1
Methyl acetate	<5.0		5.0		ug/L			11/05/14 14:20	1
Methylcyclohexane	<1.0		1.0		ug/L			11/05/14 14:20	1
Methylene Chloride	<5.0		5.0		ug/L			11/05/14 14:20	1
4-Methyl-2-pentanone	<10		10		ug/L			11/05/14 14:20	1
Methyl tert-butyl ether	<10		10		ug/L			11/05/14 14:20	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/05/14 14:20	1
o-Xylene	<1.0		1.0		ug/L			11/05/14 14:20	1
Styrene	<1.0		1.0		ug/L			11/05/14 14:20	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
Tetrachloroethene	<1.0		1.0		ug/L			11/05/14 14:20	1
Toluene	<1.0		1.0		ug/L			11/05/14 14:20	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/05/14 14:20	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/05/14 14:20	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/05/14 14:20	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/05/14 14:20	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
Trichloroethene	<1.0		1.0		ug/L			11/05/14 14:20	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/05/14 14:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/05/14 14:20	1
Vinyl chloride	<1.0		1.0		ug/L			11/05/14 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/05/14 14:20*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*11/05/14 14:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*11/05/14 14:20*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*11/05/14 14:20*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-356987/8
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/05/14 13:21	1
Benzene	<1.0		1.0		ug/L			11/05/14 13:21	1
Bromochloromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
Bromodichloromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
Bromoform	<1.0		1.0		ug/L			11/05/14 13:21	1
Bromomethane	<5.0		5.0		ug/L			11/05/14 13:21	1
2-Butanone	<10		10		ug/L			11/05/14 13:21	1
Carbon disulfide	<2.0		2.0		ug/L			11/05/14 13:21	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/05/14 13:21	1
Chlorobenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
Chloroethane	<5.0		5.0		ug/L			11/05/14 13:21	1
Chloroform	<1.0		1.0		ug/L			11/05/14 13:21	1
Chloromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/05/14 13:21	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/05/14 13:21	1
Cyclohexane	<1.0		1.0		ug/L			11/05/14 13:21	1
Dibromochloromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/05/14 13:21	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/05/14 13:21	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,4-Dioxane	<100		100		ug/L			11/05/14 13:21	1
Ethylbenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
2-Hexanone	<10		10		ug/L			11/05/14 13:21	1
Isopropylbenzene	<1.0		1.0		ug/L			11/05/14 13:21	1
Methyl acetate	<5.0		5.0		ug/L			11/05/14 13:21	1
Methylcyclohexane	<1.0		1.0		ug/L			11/05/14 13:21	1
Methylene Chloride	<5.0		5.0		ug/L			11/05/14 13:21	1
4-Methyl-2-pentanone	<10		10		ug/L			11/05/14 13:21	1
Methyl tert-butyl ether	<10		10		ug/L			11/05/14 13:21	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/05/14 13:21	1
o-Xylene	<1.0		1.0		ug/L			11/05/14 13:21	1
Styrene	<1.0		1.0		ug/L			11/05/14 13:21	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/05/14 13:21	1
Tetrachloroethene	<1.0		1.0		ug/L			11/05/14 13:21	1
Toluene	<1.0		1.0		ug/L			11/05/14 13:21	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/05/14 13:21	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/05/14 13:21	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/05/14 13:21	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/05/14 13:21	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/05/14 13:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-356987/8
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			11/05/14 13:21	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/05/14 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/05/14 13:21	1
Vinyl chloride	<1.0		1.0		ug/L			11/05/14 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/05/14 13:21*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*11/05/14 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*11/05/14 13:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/05/14 13:21*	*1*

Lab Sample ID: LCS 680-356987/4
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	479	*	ug/L		191	39 - 162
Benzene	50.0	47.4		ug/L		95	74 - 123
Bromochloromethane	50.0	55.2		ug/L		110	60 - 136
Bromodichloromethane	50.0	46.9		ug/L		94	72 - 129
Bromoform	50.0	52.7		ug/L		105	60 - 134
Bromomethane	50.0	41.0		ug/L		82	10 - 171
2-Butanone	250	214		ug/L		85	55 - 142
Carbon disulfide	50.0	95.1	*	ug/L		190	63 - 142
Carbon tetrachloride	50.0	41.9		ug/L		84	70 - 131
Chlorobenzene	50.0	49.9		ug/L		100	79 - 120
Chloroethane	50.0	58.5		ug/L		117	47 - 148
Chloroform	50.0	46.2		ug/L		92	76 - 128
Chloromethane	50.0	51.3		ug/L		103	47 - 151
cis-1,2-Dichloroethene	50.0	44.3		ug/L		89	78 - 127
cis-1,3-Dichloropropene	50.0	50.5		ug/L		101	73 - 128
Cyclohexane	50.0	45.7		ug/L		91	68 - 137
Dibromochloromethane	50.0	51.6		ug/L		103	63 - 134
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/L		96	57 - 126
1,2-Dibromoethane	50.0	50.8		ug/L		102	75 - 127
1,2-Dichlorobenzene	50.0	48.6		ug/L		97	77 - 124
1,3-Dichlorobenzene	50.0	48.6		ug/L		97	79 - 123
1,4-Dichlorobenzene	50.0	46.4		ug/L		93	76 - 124
Dichlorodifluoromethane	50.0	37.3		ug/L		75	41 - 165
1,1-Dichloroethane	50.0	47.8		ug/L		96	69 - 132
1,2-Dichloroethane	50.0	42.1		ug/L		84	75 - 120
1,1-Dichloroethene	50.0	76.3	*	ug/L		153	73 - 134
1,2-Dichloropropane	50.0	49.1		ug/L		98	71 - 126
1,4-Dioxane	1000	922		ug/L		92	43 - 190
Ethylbenzene	50.0	48.7		ug/L		97	78 - 125
2-Hexanone	250	238		ug/L		95	52 - 149
Isopropylbenzene	50.0	49.7		ug/L		99	72 - 129
Methyl acetate	250	406		ug/L		162	26 - 182

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-356987/4
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	50.0	48.0		ug/L		96	72 - 133
Methylene Chloride	50.0	90.5	*	ug/L		181	79 - 124
4-Methyl-2-pentanone	250	232		ug/L		93	51 - 143
Methyl tert-butyl ether	50.0	54.2		ug/L		108	76 - 126
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	79 - 126
o-Xylene	50.0	49.9		ug/L		100	78 - 126
Styrene	50.0	50.9		ug/L		102	75 - 129
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/L		92	71 - 127
Tetrachloroethene	50.0	46.4		ug/L		93	77 - 128
Toluene	50.0	49.4		ug/L		99	77 - 125
trans-1,2-Dichloroethene	50.0	52.5		ug/L		105	78 - 130
trans-1,3-Dichloropropene	50.0	51.3		ug/L		103	72 - 127
1,2,3-Trichlorobenzene	50.0	49.5		ug/L		99	63 - 136
1,2,4-Trichlorobenzene	50.0	51.4		ug/L		103	67 - 134
1,1,1-Trichloroethane	50.0	42.9		ug/L		86	76 - 126
1,1,2-Trichloroethane	50.0	49.0		ug/L		98	69 - 127
Trichloroethene	50.0	50.4		ug/L		101	80 - 120
Trichlorofluoromethane	50.0	50.1		ug/L		100	66 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	66.4		ug/L		133	72 - 139
Vinyl chloride	50.0	43.5		ug/L		87	58 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 680-356987/5
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	334		ug/L		134	39 - 162	36	50
Benzene	50.0	46.6		ug/L		93	74 - 123	2	30
Bromochloromethane	50.0	54.0		ug/L		108	60 - 136	2	30
Bromodichloromethane	50.0	44.9		ug/L		90	72 - 129	4	30
Bromoform	50.0	51.2		ug/L		102	60 - 134	3	30
Bromomethane	50.0	38.1		ug/L		76	10 - 171	7	50
2-Butanone	250	208		ug/L		83	55 - 142	3	30
Carbon disulfide	50.0	52.4	*	ug/L		105	63 - 142	58	30
Carbon tetrachloride	50.0	39.7		ug/L		79	70 - 131	5	30
Chlorobenzene	50.0	48.9		ug/L		98	79 - 120	2	30
Chloroethane	50.0	47.1		ug/L		94	47 - 148	22	40
Chloroform	50.0	45.0		ug/L		90	76 - 128	3	30
Chloromethane	50.0	50.8		ug/L		102	47 - 151	1	30
cis-1,2-Dichloroethene	50.0	43.5		ug/L		87	78 - 127	2	30
cis-1,3-Dichloropropene	50.0	49.1		ug/L		98	73 - 128	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-356987/5
Matrix: Water
Analysis Batch: 356987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			50.0	41.5		ug/L		83	68 - 137	10	30
Dibromochloromethane			50.0	48.1		ug/L		96	63 - 134	7	50
1,2-Dibromo-3-Chloropropane			50.0	46.8		ug/L		94	57 - 126	2	50
1,2-Dibromoethane			50.0	47.4		ug/L		95	75 - 127	7	30
1,2-Dichlorobenzene			50.0	48.0		ug/L		96	77 - 124	1	30
1,3-Dichlorobenzene			50.0	47.6		ug/L		95	79 - 123	2	30
1,4-Dichlorobenzene			50.0	45.3		ug/L		91	76 - 124	2	30
Dichlorodifluoromethane			50.0	34.6		ug/L		69	41 - 165	8	50
1,1-Dichloroethane			50.0	48.2		ug/L		96	69 - 132	1	30
1,2-Dichloroethane			50.0	40.4		ug/L		81	75 - 120	4	30
1,1-Dichloroethene			50.0	53.2	*	ug/L		106	73 - 134	36	30
1,2-Dichloropropane			50.0	47.1		ug/L		94	71 - 126	4	30
1,4-Dioxane			1000	774		ug/L		77	43 - 190	17	50
Ethylbenzene			50.0	48.2		ug/L		96	78 - 125	1	30
2-Hexanone			250	218		ug/L		87	52 - 149	9	30
Isopropylbenzene			50.0	49.4		ug/L		99	72 - 129	1	30
Methyl acetate			250	221	*	ug/L		89	26 - 182	59	30
Methylcyclohexane			50.0	42.4		ug/L		85	72 - 133	13	30
Methylene Chloride			50.0	56.6	*	ug/L		113	79 - 124	46	30
4-Methyl-2-pentanone			250	220		ug/L		88	51 - 143	5	30
Methyl tert-butyl ether			50.0	46.9		ug/L		94	76 - 126	14	30
m-Xylene & p-Xylene			50.0	47.8		ug/L		96	79 - 126	2	30
o-Xylene			50.0	49.2		ug/L		98	78 - 126	1	30
Styrene			50.0	50.9		ug/L		102	75 - 129	0	30
1,1,2,2-Tetrachloroethane			50.0	45.9		ug/L		92	71 - 127	1	30
Tetrachloroethene			50.0	44.0		ug/L		88	77 - 128	5	30
Toluene			50.0	46.6		ug/L		93	77 - 125	6	30
trans-1,2-Dichloroethene			50.0	46.4		ug/L		93	78 - 130	12	30
trans-1,3-Dichloropropene			50.0	48.7		ug/L		97	72 - 127	5	50
1,2,3-Trichlorobenzene			50.0	48.9		ug/L		98	63 - 136	1	30
1,2,4-Trichlorobenzene			50.0	50.8		ug/L		102	67 - 134	1	30
1,1,1-Trichloroethane			50.0	40.6		ug/L		81	76 - 126	6	30
1,1,2-Trichloroethane			50.0	46.3		ug/L		93	69 - 127	6	30
Trichloroethene			50.0	47.9		ug/L		96	80 - 120	5	30
Trichlorofluoromethane			50.0	42.8		ug/L		86	66 - 144	16	30
1,1,2-Trichloro-1,2,2-trifluoroetha ne			50.0	58.1		ug/L		116	72 - 139	13	30
Vinyl chloride			50.0	54.7		ug/L		109	58 - 141	23	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357179/10
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/06/14 12:38	1
Benzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromochloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromodichloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromoform	<1.0		1.0		ug/L			11/06/14 12:38	1
Bromomethane	<5.0		5.0		ug/L			11/06/14 12:38	1
2-Butanone	<10		10		ug/L			11/06/14 12:38	1
Carbon disulfide	<2.0		2.0		ug/L			11/06/14 12:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/06/14 12:38	1
Chlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Chloroethane	<5.0		5.0		ug/L			11/06/14 12:38	1
Chloroform	<1.0		1.0		ug/L			11/06/14 12:38	1
Chloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 12:38	1
Cyclohexane	<1.0		1.0		ug/L			11/06/14 12:38	1
Dibromochloromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/06/14 12:38	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,4-Dioxane	<100		100		ug/L			11/06/14 12:38	1
Ethylbenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
2-Hexanone	<10		10		ug/L			11/06/14 12:38	1
Isopropylbenzene	<1.0		1.0		ug/L			11/06/14 12:38	1
Methyl acetate	<5.0		5.0		ug/L			11/06/14 12:38	1
Methylcyclohexane	<1.0		1.0		ug/L			11/06/14 12:38	1
Methylene Chloride	<5.0		5.0		ug/L			11/06/14 12:38	1
4-Methyl-2-pentanone	<10		10		ug/L			11/06/14 12:38	1
Methyl tert-butyl ether	<10		10		ug/L			11/06/14 12:38	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/06/14 12:38	1
o-Xylene	<1.0		1.0		ug/L			11/06/14 12:38	1
Styrene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Tetrachloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
Toluene	<1.0		1.0		ug/L			11/06/14 12:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/06/14 12:38	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 12:38	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/06/14 12:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/06/14 12:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357179/10
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			11/06/14 12:38	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/06/14 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/06/14 12:38	1
Vinyl chloride	<1.0		1.0		ug/L			11/06/14 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*11/06/14 12:38*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*11/06/14 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*11/06/14 12:38*	*1*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*11/06/14 12:38*	*1*

Lab Sample ID: LCS 680-357179/5
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	252		ug/L		101	39 - 162
Benzene	50.0	46.9		ug/L		94	74 - 123
Bromochloromethane	50.0	51.7		ug/L		103	60 - 136
Bromodichloromethane	50.0	52.1		ug/L		104	72 - 129
Bromoform	50.0	51.6		ug/L		103	60 - 134
Bromomethane	50.0	38.3		ug/L		77	10 - 171
2-Butanone	250	248		ug/L		99	55 - 142
Carbon disulfide	50.0	45.7		ug/L		91	63 - 142
Carbon tetrachloride	50.0	49.5		ug/L		99	70 - 131
Chlorobenzene	50.0	49.5		ug/L		99	79 - 120
Chloroethane	50.0	47.9		ug/L		96	47 - 148
Chloroform	50.0	52.2		ug/L		104	76 - 128
Chloromethane	50.0	52.2		ug/L		104	47 - 151
cis-1,2-Dichloroethene	50.0	52.6		ug/L		105	78 - 127
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	73 - 128
Cyclohexane	50.0	45.7		ug/L		91	68 - 137
Dibromochloromethane	50.0	57.0		ug/L		114	63 - 134
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	57 - 126
1,2-Dibromoethane	50.0	52.9		ug/L		106	75 - 127
1,2-Dichlorobenzene	50.0	48.7		ug/L		97	77 - 124
1,3-Dichlorobenzene	50.0	46.9		ug/L		94	79 - 123
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	76 - 124
Dichlorodifluoromethane	50.0	43.8		ug/L		88	41 - 165
1,1-Dichloroethane	50.0	45.4		ug/L		91	69 - 132
1,2-Dichloroethane	50.0	48.2		ug/L		96	75 - 120
1,1-Dichloroethene	50.0	43.1		ug/L		86	73 - 134
1,2-Dichloropropane	50.0	47.7		ug/L		95	71 - 126
1,4-Dioxane	1000	1020		ug/L		102	43 - 190
Ethylbenzene	50.0	49.5		ug/L		99	78 - 125
2-Hexanone	250	258		ug/L		103	52 - 149
Isopropylbenzene	50.0	48.9		ug/L		98	72 - 129
Methyl acetate	250	221		ug/L		88	26 - 182

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-357179/5
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	50.0	46.3		ug/L		93	72 - 133
Methylene Chloride	50.0	50.1		ug/L		100	79 - 124
4-Methyl-2-pentanone	250	239		ug/L		96	51 - 143
Methyl tert-butyl ether	50.0	52.6		ug/L		105	76 - 126
m-Xylene & p-Xylene	50.0	48.6		ug/L		97	79 - 126
o-Xylene	50.0	48.5		ug/L		97	78 - 126
Styrene	50.0	49.5		ug/L		99	75 - 129
1,1,2,2-Tetrachloroethane	50.0	45.1		ug/L		90	71 - 127
Tetrachloroethene	50.0	48.6		ug/L		97	77 - 128
Toluene	50.0	48.8		ug/L		98	77 - 125
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	78 - 130
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	72 - 127
1,2,3-Trichlorobenzene	50.0	51.2		ug/L		102	63 - 136
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	67 - 134
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	76 - 126
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	69 - 127
Trichloroethene	50.0	51.0		ug/L		102	80 - 120
Trichlorofluoromethane	50.0	51.3		ug/L		103	66 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.9		ug/L		92	72 - 139
Vinyl chloride	50.0	57.3		ug/L		115	58 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 680-357179/6
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	229		ug/L		92	39 - 162	9	50
Benzene	50.0	46.0		ug/L		92	74 - 123	2	30
Bromochloromethane	50.0	47.4		ug/L		95	60 - 136	9	30
Bromodichloromethane	50.0	48.6		ug/L		97	72 - 129	7	30
Bromoform	50.0	49.9		ug/L		100	60 - 134	3	30
Bromomethane	50.0	39.5		ug/L		79	10 - 171	3	50
2-Butanone	250	238		ug/L		95	55 - 142	4	30
Carbon disulfide	50.0	47.0		ug/L		94	63 - 142	3	30
Carbon tetrachloride	50.0	44.7		ug/L		89	70 - 131	10	30
Chlorobenzene	50.0	46.5		ug/L		93	79 - 120	6	30
Chloroethane	50.0	45.6		ug/L		91	47 - 148	5	40
Chloroform	50.0	46.1		ug/L		92	76 - 128	12	30
Chloromethane	50.0	55.9		ug/L		112	47 - 151	7	30
cis-1,2-Dichloroethene	50.0	46.1		ug/L		92	78 - 127	13	30
cis-1,3-Dichloropropene	50.0	51.1		ug/L		102	73 - 128	5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-357179/6
Matrix: Water
Analysis Batch: 357179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			50.0	44.0		ug/L		88	68 - 137	4	30
Dibromochloromethane			50.0	51.4		ug/L		103	63 - 134	10	50
1,2-Dibromo-3-Chloropropane			50.0	47.7		ug/L		95	57 - 126	6	50
1,2-Dibromoethane			50.0	49.6		ug/L		99	75 - 127	6	30
1,2-Dichlorobenzene			50.0	48.1		ug/L		96	77 - 124	1	30
1,3-Dichlorobenzene			50.0	47.2		ug/L		94	79 - 123	1	30
1,4-Dichlorobenzene			50.0	48.6		ug/L		97	76 - 124	0	30
Dichlorodifluoromethane			50.0	49.6		ug/L		99	41 - 165	12	50
1,1-Dichloroethane			50.0	44.6		ug/L		89	69 - 132	2	30
1,2-Dichloroethane			50.0	46.8		ug/L		94	75 - 120	3	30
1,1-Dichloroethene			50.0	41.9		ug/L		84	73 - 134	3	30
1,2-Dichloropropane			50.0	47.1		ug/L		94	71 - 126	1	30
1,4-Dioxane			1000	1000		ug/L		100	43 - 190	2	50
Ethylbenzene			50.0	47.2		ug/L		94	78 - 125	5	30
2-Hexanone			250	244		ug/L		98	52 - 149	5	30
Isopropylbenzene			50.0	47.6		ug/L		95	72 - 129	3	30
Methyl acetate			250	224		ug/L		90	26 - 182	2	30
Methylcyclohexane			50.0	47.5		ug/L		95	72 - 133	3	30
Methylene Chloride			50.0	49.0		ug/L		98	79 - 124	2	30
4-Methyl-2-pentanone			250	236		ug/L		94	51 - 143	1	30
Methyl tert-butyl ether			50.0	50.4		ug/L		101	76 - 126	4	30
m-Xylene & p-Xylene			50.0	46.8		ug/L		94	79 - 126	4	30
o-Xylene			50.0	48.3		ug/L		97	78 - 126	0	30
Styrene			50.0	48.8		ug/L		98	75 - 129	1	30
1,1,2,2-Tetrachloroethane			50.0	47.0		ug/L		94	71 - 127	4	30
Tetrachloroethene			50.0	45.8		ug/L		92	77 - 128	6	30
Toluene			50.0	47.9		ug/L		96	77 - 125	2	30
trans-1,2-Dichloroethene			50.0	46.0		ug/L		92	78 - 130	1	30
trans-1,3-Dichloropropene			50.0	51.5		ug/L		103	72 - 127	2	50
1,2,3-Trichlorobenzene			50.0	52.8		ug/L		106	63 - 136	3	30
1,2,4-Trichlorobenzene			50.0	54.0		ug/L		108	67 - 134	4	30
1,1,1-Trichloroethane			50.0	44.0		ug/L		88	76 - 126	11	30
1,1,2-Trichloroethane			50.0	48.4		ug/L		97	69 - 127	5	30
Trichloroethene			50.0	46.7		ug/L		93	80 - 120	9	30
Trichlorofluoromethane			50.0	42.1		ug/L		84	66 - 144	20	30
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	42.5		ug/L		85	72 - 139	8	30
Vinyl chloride			50.0	61.5		ug/L		123	58 - 141	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357486/9
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10		ug/L			11/07/14 15:01	1
Benzene	<1.0		1.0		ug/L			11/07/14 15:01	1
Bromochloromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
Bromodichloromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
Bromoform	<1.0		1.0		ug/L			11/07/14 15:01	1
Bromomethane	<5.0		5.0		ug/L			11/07/14 15:01	1
2-Butanone	<10		10		ug/L			11/07/14 15:01	1
Carbon disulfide	<2.0		2.0		ug/L			11/07/14 15:01	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/07/14 15:01	1
Chlorobenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
Chloroethane	<5.0		5.0		ug/L			11/07/14 15:01	1
Chloroform	<1.0		1.0		ug/L			11/07/14 15:01	1
Chloromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/07/14 15:01	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/07/14 15:01	1
Cyclohexane	<1.0		1.0		ug/L			11/07/14 15:01	1
Dibromochloromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			11/07/14 15:01	1
1,2-Dibromoethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/07/14 15:01	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,4-Dioxane	<100		100		ug/L			11/07/14 15:01	1
Ethylbenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
2-Hexanone	<10		10		ug/L			11/07/14 15:01	1
Isopropylbenzene	<1.0		1.0		ug/L			11/07/14 15:01	1
Methyl acetate	<5.0		5.0		ug/L			11/07/14 15:01	1
Methylcyclohexane	<1.0		1.0		ug/L			11/07/14 15:01	1
Methylene Chloride	<5.0		5.0		ug/L			11/07/14 15:01	1
4-Methyl-2-pentanone	<10		10		ug/L			11/07/14 15:01	1
Methyl tert-butyl ether	<10		10		ug/L			11/07/14 15:01	1
m-Xylene & p-Xylene	<1.0		1.0		ug/L			11/07/14 15:01	1
o-Xylene	<1.0		1.0		ug/L			11/07/14 15:01	1
Styrene	<1.0		1.0		ug/L			11/07/14 15:01	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/07/14 15:01	1
Tetrachloroethene	<1.0		1.0		ug/L			11/07/14 15:01	1
Toluene	<1.0		1.0		ug/L			11/07/14 15:01	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/07/14 15:01	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/07/14 15:01	1
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			11/07/14 15:01	1
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			11/07/14 15:01	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/07/14 15:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-357486/9
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			11/07/14 15:01	1
Trichlorofluoromethane	<1.0		1.0		ug/L			11/07/14 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			11/07/14 15:01	1
Vinyl chloride	<1.0		1.0		ug/L			11/07/14 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/07/14 15:01*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*11/07/14 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*11/07/14 15:01*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*11/07/14 15:01*	*1*

Lab Sample ID: LCS 680-357486/3
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	253		ug/L		101	39 - 162
Benzene	50.0	48.0		ug/L		96	74 - 123
Bromochloromethane	50.0	45.4		ug/L		91	60 - 136
Bromodichloromethane	50.0	49.7		ug/L		99	72 - 129
Bromoform	50.0	50.7		ug/L		101	60 - 134
Bromomethane	50.0	49.1		ug/L		98	10 - 171
2-Butanone	250	222		ug/L		89	55 - 142
Carbon disulfide	50.0	48.2		ug/L		96	63 - 142
Carbon tetrachloride	50.0	49.5		ug/L		99	70 - 131
Chlorobenzene	50.0	49.1		ug/L		98	79 - 120
Chloroethane	50.0	50.6		ug/L		101	47 - 148
Chloroform	50.0	47.6		ug/L		95	76 - 128
Chloromethane	50.0	39.0		ug/L		78	47 - 151
cis-1,2-Dichloroethene	50.0	50.8		ug/L		102	78 - 127
cis-1,3-Dichloropropene	50.0	46.9		ug/L		94	73 - 128
Cyclohexane	50.0	52.7		ug/L		105	68 - 137
Dibromochloromethane	50.0	45.9		ug/L		92	63 - 134
1,2-Dibromo-3-Chloropropane	50.0	58.4		ug/L		117	57 - 126
1,2-Dibromoethane	50.0	45.9		ug/L		92	75 - 127
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	77 - 124
1,3-Dichlorobenzene	50.0	52.1		ug/L		104	79 - 123
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	76 - 124
Dichlorodifluoromethane	50.0	34.3		ug/L		69	41 - 165
1,1-Dichloroethane	50.0	48.5		ug/L		97	69 - 132
1,2-Dichloroethane	50.0	51.5		ug/L		103	75 - 120
1,1-Dichloroethene	50.0	48.0		ug/L		96	73 - 134
1,2-Dichloropropane	50.0	47.9		ug/L		96	71 - 126
1,4-Dioxane	1000	1090		ug/L		109	43 - 190
Ethylbenzene	50.0	50.4		ug/L		101	78 - 125
2-Hexanone	250	250		ug/L		100	52 - 149
Isopropylbenzene	50.0	51.5		ug/L		103	72 - 129
Methyl acetate	250	271		ug/L		108	26 - 182

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-357486/3
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	50.0	50.1		ug/L		100	72 - 133
Methylene Chloride	50.0	47.4		ug/L		95	79 - 124
4-Methyl-2-pentanone	250	247		ug/L		99	51 - 143
Methyl tert-butyl ether	50.0	45.9		ug/L		92	76 - 126
m-Xylene & p-Xylene	50.0	51.4		ug/L		103	79 - 126
o-Xylene	50.0	52.0		ug/L		104	78 - 126
Styrene	50.0	53.2		ug/L		106	75 - 129
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	71 - 127
Tetrachloroethene	50.0	43.3		ug/L		87	77 - 128
Toluene	50.0	45.2		ug/L		90	77 - 125
trans-1,2-Dichloroethene	50.0	45.5		ug/L		91	78 - 130
trans-1,3-Dichloropropene	50.0	43.9		ug/L		88	72 - 127
1,2,3-Trichlorobenzene	50.0	74.1	*	ug/L		148	63 - 136
1,2,4-Trichlorobenzene	50.0	67.7	*	ug/L		135	67 - 134
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	76 - 126
1,1,2-Trichloroethane	50.0	47.0		ug/L		94	69 - 127
Trichloroethene	50.0	44.7		ug/L		89	80 - 120
Trichlorofluoromethane	50.0	44.8		ug/L		90	66 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.9		ug/L		92	72 - 139
Vinyl chloride	50.0	41.7		ug/L		83	58 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 680-357486/4
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	253		ug/L		101	39 - 162	0	50
Benzene	50.0	48.1		ug/L		96	74 - 123	0	30
Bromochloromethane	50.0	45.9		ug/L		92	60 - 136	1	30
Bromodichloromethane	50.0	50.5		ug/L		101	72 - 129	1	30
Bromoform	50.0	49.8		ug/L		100	60 - 134	2	30
Bromomethane	50.0	47.7		ug/L		95	10 - 171	3	50
2-Butanone	250	238		ug/L		95	55 - 142	7	30
Carbon disulfide	50.0	49.0		ug/L		98	63 - 142	2	30
Carbon tetrachloride	50.0	48.2		ug/L		96	70 - 131	3	30
Chlorobenzene	50.0	49.0		ug/L		98	79 - 120	0	30
Chloroethane	50.0	50.4		ug/L		101	47 - 148	0	40
Chloroform	50.0	46.8		ug/L		94	76 - 128	2	30
Chloromethane	50.0	38.9		ug/L		78	47 - 151	0	30
cis-1,2-Dichloroethene	50.0	50.3		ug/L		101	78 - 127	1	30
cis-1,3-Dichloropropene	50.0	47.9		ug/L		96	73 - 128	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-357486/4
Matrix: Water
Analysis Batch: 357486

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			50.0	54.6		ug/L		109	68 - 137	3	30
Dibromochloromethane			50.0	46.4		ug/L		93	63 - 134	1	50
1,2-Dibromo-3-Chloropropane			50.0	60.9		ug/L		122	57 - 126	4	50
1,2-Dibromoethane			50.0	48.7		ug/L		97	75 - 127	6	30
1,2-Dichlorobenzene			50.0	54.8		ug/L		110	77 - 124	2	30
1,3-Dichlorobenzene			50.0	53.9		ug/L		108	79 - 123	3	30
1,4-Dichlorobenzene			50.0	52.4		ug/L		105	76 - 124	0	30
Dichlorodifluoromethane			50.0	33.5		ug/L		67	41 - 165	2	50
1,1-Dichloroethane			50.0	48.7		ug/L		97	69 - 132	0	30
1,2-Dichloroethane			50.0	50.3		ug/L		101	75 - 120	2	30
1,1-Dichloroethene			50.0	48.5		ug/L		97	73 - 134	1	30
1,2-Dichloropropane			50.0	48.3		ug/L		97	71 - 126	1	30
1,4-Dioxane			1000	1050		ug/L		105	43 - 190	3	50
Ethylbenzene			50.0	50.2		ug/L		100	78 - 125	0	30
2-Hexanone			250	248		ug/L		99	52 - 149	1	30
Isopropylbenzene			50.0	51.5		ug/L		103	72 - 129	0	30
Methyl acetate			250	265		ug/L		106	26 - 182	2	30
Methylcyclohexane			50.0	49.8		ug/L		100	72 - 133	1	30
Methylene Chloride			50.0	48.0		ug/L		96	79 - 124	1	30
4-Methyl-2-pentanone			250	247		ug/L		99	51 - 143	0	30
Methyl tert-butyl ether			50.0	46.8		ug/L		94	76 - 126	2	30
m-Xylene & p-Xylene			50.0	50.0		ug/L		100	79 - 126	3	30
o-Xylene			50.0	51.0		ug/L		102	78 - 126	2	30
Styrene			50.0	51.8		ug/L		104	75 - 129	3	30
1,1,2,2-Tetrachloroethane			50.0	55.3		ug/L		111	71 - 127	1	30
Tetrachloroethene			50.0	44.2		ug/L		88	77 - 128	2	30
Toluene			50.0	46.8		ug/L		94	77 - 125	4	30
trans-1,2-Dichloroethene			50.0	45.4		ug/L		91	78 - 130	0	30
trans-1,3-Dichloropropene			50.0	44.7		ug/L		89	72 - 127	2	50
1,2,3-Trichlorobenzene			50.0	77.5	*	ug/L		155	63 - 136	4	30
1,2,4-Trichlorobenzene			50.0	68.5	*	ug/L		137	67 - 134	1	30
1,1,1-Trichloroethane			50.0	47.6		ug/L		95	76 - 126	1	30
1,1,2-Trichloroethane			50.0	47.2		ug/L		94	69 - 127	0	30
Trichloroethene			50.0	44.8		ug/L		90	80 - 120	0	30
Trichlorofluoromethane			50.0	44.8		ug/L		90	66 - 144	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	45.6		ug/L		91	72 - 139	1	30
Vinyl chloride			50.0	42.7		ug/L		85	58 - 141	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-356906/1-A
Matrix: Water
Analysis Batch: 357228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		11/04/14 14:31	11/05/14 18:13	1
Barium	<10		10		ug/L		11/04/14 14:31	11/05/14 18:13	1
Cadmium	<5.0		5.0		ug/L		11/04/14 14:31	11/05/14 18:13	1
Chromium	<10		10		ug/L		11/04/14 14:31	11/05/14 18:13	1
Silver	<10		10		ug/L		11/04/14 14:31	11/05/14 18:13	1
Lead	<10		10		ug/L		11/04/14 14:31	11/05/14 18:13	1
Selenium	<20		20		ug/L		11/04/14 14:31	11/05/14 18:13	1

Lab Sample ID: LCS 680-356906/2-A
Matrix: Water
Analysis Batch: 357228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 356906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	102		ug/L		102	80 - 120
Barium	100	101		ug/L		101	80 - 120
Cadmium	50.0	51.2		ug/L		102	80 - 120
Chromium	100	105		ug/L		105	80 - 120
Silver	50.0	54.6		ug/L		109	80 - 120
Lead	500	506		ug/L		101	80 - 120
Selenium	100	99.9		ug/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-357018/13-A
Matrix: Water
Analysis Batch: 357309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 357018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		11/05/14 10:49	11/06/14 11:23	1

Lab Sample ID: LCS 680-357018/14-A
Matrix: Water
Analysis Batch: 357309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 357018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.36		ug/L		94	80 - 120

Lab Sample ID: 680-106791-1 MS
Matrix: Water
Analysis Batch: 357309

Client Sample ID: MW-12R 20141029
Prep Type: Total/NA
Prep Batch: 357018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.20		1.00	0.983		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-106791-1 MSD
Matrix: Water
Analysis Batch: 357309

Client Sample ID: MW-12R 20141029
Prep Type: Total/NA
Prep Batch: 357018

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.20		1.00	0.956		ug/L		96	80 - 120	3	20

GC/MS VOA

Analysis Batch: 356987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-6	Trip Blank	Total/NA	Water	8260B	
LCS 680-356987/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-356987/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-356987/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 357179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-1	MW-12R 20141029	Total/NA	Water	8260B	
680-106791-3	TW-25 20141030	Total/NA	Water	8260B	
680-106791-4	TW-29 20141030	Total/NA	Water	8260B	
LCS 680-357179/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-357179/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-357179/10	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 357486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-2	MW-25 20141030	Total/NA	Water	8260B	
680-106791-3	TW-25 20141030	Total/NA	Water	8260B	
680-106791-4	TW-29 20141030	Total/NA	Water	8260B	
LCS 680-357486/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-357486/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-357486/9	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 356906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-1	MW-12R 20141029	Total/NA	Water	3010A	
680-106791-2	MW-25 20141030	Total/NA	Water	3010A	
680-106791-3	TW-25 20141030	Total/NA	Water	3010A	
680-106791-4	TW-29 20141030	Total/NA	Water	3010A	
680-106791-5	DUP-02 20141029	Total/NA	Water	3010A	
LCS 680-356906/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-356906/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 357018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-1	MW-12R 20141029	Total/NA	Water	7470A	
680-106791-1 MS	MW-12R 20141029	Total/NA	Water	7470A	
680-106791-1 MSD	MW-12R 20141029	Total/NA	Water	7470A	
680-106791-2	MW-25 20141030	Total/NA	Water	7470A	
680-106791-3	TW-25 20141030	Total/NA	Water	7470A	
680-106791-4	TW-29 20141030	Total/NA	Water	7470A	
680-106791-5	DUP-02 20141029	Total/NA	Water	7470A	
LCS 680-357018/14-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-357018/13-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 357228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-1	MW-12R 20141029	Total/NA	Water	6010C	356906

Metals (Continued)

Analysis Batch: 357228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-2	MW-25 20141030	Total/NA	Water	6010C	356906
680-106791-3	TW-25 20141030	Total/NA	Water	6010C	356906
680-106791-4	TW-29 20141030	Total/NA	Water	6010C	356906
680-106791-5	DUP-02 20141029	Total/NA	Water	6010C	356906
LCS 680-356906/2-A	Lab Control Sample	Total/NA	Water	6010C	356906
MB 680-356906/1-A	Method Blank	Total/NA	Water	6010C	356906

Analysis Batch: 357309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106791-1	MW-12R 20141029	Total/NA	Water	7470A	357018
680-106791-1 MS	MW-12R 20141029	Total/NA	Water	7470A	357018
680-106791-1 MSD	MW-12R 20141029	Total/NA	Water	7470A	357018
680-106791-2	MW-25 20141030	Total/NA	Water	7470A	357018
680-106791-3	TW-25 20141030	Total/NA	Water	7470A	357018
680-106791-4	TW-29 20141030	Total/NA	Water	7470A	357018
680-106791-5	DUP-02 20141029	Total/NA	Water	7470A	357018
LCS 680-357018/14-A	Lab Control Sample	Total/NA	Water	7470A	357018
MB 680-357018/13-A	Method Blank	Total/NA	Water	7470A	357018

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: MW-12R 20141029

Lab Sample ID: 680-106791-1

Date Collected: 10/29/14 17:19

Matrix: Water

Date Received: 10/30/14 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		250	5 mL	5 mL	357179	11/06/14 17:59	RWB	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356906	11/04/14 14:31	SP	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	357228	11/05/14 18:53	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	357018	11/05/14 10:49	CRW	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	357309	11/06/14 11:29	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-25 20141030

Lab Sample ID: 680-106791-2

Date Collected: 10/30/14 10:40

Matrix: Water

Date Received: 10/30/14 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	357486	11/07/14 15:23	RWB	TAL SAV
	Instrument ID: CMSB									
Total/NA	Prep	3010A			50 mL	50 mL	356906	11/04/14 14:31	SP	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	357228	11/05/14 18:57	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	357018	11/05/14 10:49	CRW	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	357309	11/06/14 11:38	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: TW-25 20141030

Lab Sample ID: 680-106791-3

Date Collected: 10/30/14 11:55

Matrix: Water

Date Received: 10/30/14 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	357486	11/07/14 15:44	RWB	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B		1	5 mL	5 mL	357179	11/06/14 16:29	RWB	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356906	11/04/14 14:31	SP	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	357228	11/05/14 19:10	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	357018	11/05/14 10:49	CRW	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	357309	11/06/14 11:41	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Client Sample ID: TW-29 20141030

Lab Sample ID: 680-106791-4

Date Collected: 10/30/14 13:05
Date Received: 10/30/14 15:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	5 mL	5 mL	357486	11/07/14 16:06	RWB	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B		1	5 mL	5 mL	357179	11/06/14 16:59	RWB	TAL SAV
	Instrument ID: CMSP									
Total/NA	Prep	3010A			50 mL	50 mL	356906	11/04/14 14:31	SP	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	357228	11/05/14 19:14	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	357018	11/05/14 10:49	CRW	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	357309	11/06/14 11:44	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: DUP-02 20141029

Lab Sample ID: 680-106791-5

Date Collected: 10/29/14 00:00
Date Received: 10/30/14 15:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	356906	11/04/14 14:31	SP	TAL SAV
Total/NA	Analysis	6010C		1	50 mL	50 mL	357228	11/05/14 19:18	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	357018	11/05/14 10:49	CRW	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	357309	11/06/14 11:47	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: Trip Blank

Lab Sample ID: 680-106791-6

Date Collected: 10/29/14 00:00
Date Received: 10/30/14 15:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	356987	11/05/14 14:20	MMT	TAL SAV
	Instrument ID: CMSP2									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Aaron D. Hottenstein	Lab PM: Kersey, Michele R	Carrier Tracking No(s):	COC No: 680-59736-26213.1
Client Contact: AH Mr. Keith Cole Ryan Slakman	Phone: 570-419-0342	E-Mail: michele.kersey@testamericainc.com		Page: Page 1 of 1 AH
Company: ENVIRON International Corp.				Job #:
Address: 1600 Parkwood Circle, Suite 310	Due Date Requested:	Analysis Requested		
City: Atlanta	TAT Requested (days): 5 day			
State, Zip: GA, 30339				
Phone: 678-388-1663(Tel)	PO #: Purchase Order Requested 07-30114D			
Email: AH kcole@environcorp.com rslakman@environcorp.com	WO #:			
Project Name: CT Q4 2014 07-30114D	Project #: 68012106			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) TCL SOM01.2	6010C, 7470A	6010C, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code				A	D	N		
MW-12R 20141029	10/29/14	1719	G	Water	N		X	X		4	
MW-25 20141030	10/30/14	1040	G	Water	N		X	X		4	
TW-25 20141030	10/30/14	1155	G	Water	N		X	X		4	
TW-29 20141030	10/30/14	1305	G	Water	N		X	X		4	
DUP-02 20141029	10/29/14	—	G	Water	N			X		1	
Trip Blank	—	—	—	Water			X			2	
				Water							
				Water							
				Water							
				Water							
				Water							

680-106791 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/30/14 1505	ENVIRON		10/30/14 15:05	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 680-106791 3.8c

Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 680-106791-1

Login Number: 106791

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: ENVIRON International Corp.
Project/Site: CT – Q4 2014

TestAmerica Job ID: 680-106791-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-15
California	NELAP	9	3217CA	07-31-14 *
Colorado	State Program	8	N/A	12-31-14
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	09-005r	04-16-15
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-14 *
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-14
Kentucky (UST)	State Program	4	18	06-30-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA140023	12-31-14
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-14
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	01-01-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-14
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-14
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-08-TX	11-30-14 *
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-14
West Virginia DEP	State Program	3	94	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

* Certification renewal pending - certification considered valid.