

January 18, 2016

FB Orangetown, LLC
c/o RD Management Corporation
810 Seventh Avenue, 28th Floor
New York, New York 10019

Attn: Al Rossi, Project Manager

Re: Groundwater Sampling Results
Orangeburg Triangle Parcel – Orangeburg, NY

Dear Al,

On November 16-17, 2015, Tenen Env. Site on behalf of FB Orangetown, LLC. The Site location is shown on Figure 1. This letter report provides a summary of our findings, including the results of the laboratory analysis.

Background

The subject property was part of a larger facility used for the manufacturing of Orangeburg Pipe beginning in or about the 1890s. Prior to 1946, the Orangeburg Pipe was manufactured by impregnating paper fiber cylinders with coal tar pitch. From 1946 to 1970, a paper and asbestos mixture was used to make the pipe cylinders. After 1970, wollastonite (a fibrous, magnesium oxide mineral) was used in place of asbestos. The original manufacturing was reported to take place on the subject property, also known as the "Triangle Parcel." As operations expanded, manufacturing expanded to the east and south from the subject property and many of the manufacturing operations were located on the adjacent current Lowe's property. The subject property was reportedly used mainly for storage during this time. In 1953, manufacturing operations were acquired by Flintkote. Pipe manufacturing was reported to have discontinued in 1973. After ceasing operations, most of the facility was destroyed by fire. The remaining structures were reportedly demolished and deposited on the subject property.

Previous sampling events have documented impacts to soil and groundwater at the Site. The sampling was completed to document the current conditions at the Site. The results of the sampling are discussed in the following sections.

Hydrogeology

Previous groundwater studies show that groundwater exists beneath the Orangeburg Pipe complex in three distinct units. The shallow water table exists at depths ranging from approximately 9 to 15 feet below grade and exists within fill material and the shallow till sediments. The second distinct unit exists in the deep till and stratified drift deposits. The third unit consists of a bedrock aquifer. Water table elevation maps show that groundwater flow in the shallow aquifer was to the southeast. Potentiometric surface maps showed that groundwater flow in the deep aquifer and the bedrock aquifer was to the east.

Sample Collection

Groundwater

On November 16-17, 2015, Tenen Environmental (Tenen) performed groundwater sampling at six existing wells (MW-2, MW-3, MW-5, MW-6, TMW-1 and TMW-2). MW-2, MW-3, MW-5 and MW-6 were installed during the AKRF 2008 investigation. TMW-1 and TMW-2 appear to have been installed by AKRF; however

these wells are not referenced in the 2009 investigation report. One sample of non-aqueous phase liquid (NAPL) was collected from MW-4 (also installed in 2008 by AKRF) for hydrocarbon fingerprint analysis. All sampling locations are shown on Figure 2 and described below.

Monitoring well/sample designation	Description of Location
MW-2	Downgradient (eastern) property boundary, downgradient of petroleum-impacted soil
MW-3	Eastern/downgradient portion of petroleum-contaminated soil area
MW-4	Upgradient of petroleum-impacted area
MW-5	Upgradient property boundary, at location of former transformers
MW-6	Eastern (downgradient) property boundary
TMW-1/TMW-2	Northern property boundary

No evidence of petroleum impacts was observed in the purged groundwater, with the exception of non-aqueous phase liquid in well MW-4. Field instrumentation was employed to measure water temperature, pH and turbidity at each sampled well. Monitoring of indicator parameters was employed in order to stabilize parameters before sample collection. Groundwater sampling and purging was conducted using a peristaltic pump using low-flow techniques. The samples were collected once water quality parameters were stabilized.

Groundwater samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory.

Sample Analysis

The samples were sent under chain-of-custody documentation to Alpha Analytical, Inc. (Alpha). Alpha is certified by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) as LABIDs 11627 and 11148. Samples MW-2 and MW-6 were analyzed for Target Compound List (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and Target Analyte List (TAL) Metals (total and dissolved); samples MW-3, MW-5, TMW-1 and TMW-2 were analyzed for VOCs and SVOCs. A NAPL sample from MW-4 was sent for fingerprint analysis.

Identification of Regulatory Standards and Guidance Values

Groundwater results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards). The Class GA Standards represent levels that are protective of the groundwater as a source of drinking water; however, drinking water in Brooklyn is provided by an upstate source and supplied by the New York municipal system.

Sample Results

Groundwater

Groundwater sample results are included in Table 1. Laboratory deliverables are included in Attachment 1. The analytical results are summarized below.

VOCs were not detected in any sample. SVOCs, predominantly polycyclic aromatic hydrocarbons (PAHs), were identified at concentrations above the Class GA standards in MW-2, MW-3 and MW-6, with the highest levels in MW-3. Benzo(a)anthracene was detected at levels between 0.38 ug/L (MW-6) and 2.4 ug/L (MW-3), above the Class GA standard of 0.002 ug/L. Benzo(a)pyrene was detected at levels ranging from 0.51 ug/L

(MW-2) to 1.8 ug/L (MW-3); the Class GA standard for this compound is zero. Concentrations of benzo(f)fluoranthene ranged from 0.63 ug/L in MW-2 to 2.4 ug/L in MW-3 and benzo(k)fluoranthene was detected at levels of 0.22 ug/L (MW-2) to 0.88 ug/L (MW-3), with levels of both compounds above their Class GA standards of 0.002 ug/L. Chrysene levels above the Class GA standard of 0.002 ug/L ranged from 0.27 ug/L (MW-6) to 2.4 (MW-3) and indeno(1,2,3-cd)pyrene was detected at concentrations between 0.27 ug/L and 0.86 ug/L, exceeding the Class GA standard of 0.002.

Total and dissolved metals, including iron, manganese and sodium were detected at concentrations above the Class GA standards in samples MW-2 and MW-6. Dissolved concentrations above the standard include iron (2,090 ug/L in MW-2), manganese (5,018 ug/L in MW-2 and 2,984 ug/L in MW-6), and sodium (175,000 ug/L in MW-2 and 94,500 ug/L in MW-6).

The results of the fingerprint analysis of the NAPL collected at MW-4 is consistent with a hydraulic lubricating oil or motor oil.

Please contact us if you need any additional information.

Sincerely,
Tenen Environmental, LLC

A handwritten signature in blue ink, appearing to read 'Matthew Carroll'.

Matthew Carroll, P.E.
Principal / Environmental Engineer

Figure 1 Site Location
Figure 2 Sample Locations

Table 1 Groundwater Results

Attachment 1 Laboratory Deliverables

Orangeburg Triangle Parcel – Orangeburg, NY
Groundwater Sampling Results

Figures

RE: USGS NYACK-NY QUADRANGLE, 2013

0 2,000
SCALE: 1" = 2,000'



DETAIL
LOCATION



LOCATION
5 GREENBUSH ROAD
ORANGEBURG, NY

TENEN ENVIRONMENTAL

TENEN ENVIRONMENTAL, LLC
121 West 27th Street
Suite 303
New York, NY 10001
O: 646-606-2332
F: 646-606-2379

CONSULTANT

DRAWN BY
MC

CHECKED BY
MM

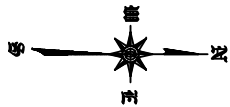
DATE
02/10/16

SCALE
AS NOTED

DRAWING TITLE
SITE LOCATION MAP

DRAWING NO.
FIGURE 1

0 50
SCALE: 1" = 50'



DRAWING TITLE:
GROUNDWATER
SAMPLE LOCATIONS

DRAWING NO.

FIGURE 2

DRAWN BY

MC

CHECKED BY

KM

DATE

2/27/16

SCALE

AS NOTED

CONSULTANT

TENEN ENVIRONMENTAL

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121 West 27th Street
Suite 303
New York, NY 10001
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LOCATION

5 GREENBUSH ROAD
ORANGEBURG, NY

Orangeburg Triangle Parcel – Orangeburg, NY
Groundwater Sampling Results

Table

Table 1 - Summary of Detected Compounds

Orangeburg Triangle Parcel

ANALYTE	SAMPLE ID:		MW5		MW3		MW6		MW2		TMW1		TMW2		TRIP BLANK	
	LAB ID:	L1530151-01	L1530151-02		L1530151-03		L1530151-04		L1530151-05		L1530151-06		L1530151-07			
	COLLECTION DATE:	11/16/2015	11/16/2015		11/17/2015		11/17/2015		11/17/2015		11/17/2015		11/17/2015			
	(ug/l)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOLATILE ORGANICS																
1,1-Dichloroethane	5	ND	0.7		ND	0.7		1	J	0.7	ND	0.7		ND	0.7	
Chloroform	7	ND	0.7		ND	0.7		ND	0.7		ND	0.7		0.72	J	0.7
Tetrachloroethene	5	ND	0.18		ND	0.18		0.34	J	0.18	ND	0.18		ND	0.18	
1,1,1-Trichloroethane	5	ND	0.7		ND	0.7		0.84	J	0.7	ND	0.7		ND	0.7	
Acetone	50	ND	1.5		ND	1.5		ND	J	1.5	ND	1.5		ND	1.5	
Total VOCs		-	-	-	-	-	-	2.18	-	-	1.5	-	-	0.72	-	-
SEMIVOLATILE ORGANICS																
Acenaphthene	20	ND	0.04		5.7	0.07		ND	0.04		12	0.04		ND	0.04	
Fluoranthene	50	ND	0.04		5.7	0.08		0.45	0.04		1.5	0.04		ND	0.04	
Naphthalene	10	ND	0.04		ND	0.09		ND	0.04		0.08	J	0.04	ND	0.04	
Benzo(a)anthracene	NA	ND	0.02		2.4	0.03		0.38	0.02		0.41	0.02		ND	0.02	
Benzo(a)pyrene	0	ND	0.04		1.8	0.08		0.52	0.04		0.51	0.04		ND	0.04	
Benzo(b)fluoranthene	0.002	ND	0.02		2.4	0.03		0.76	0.02		0.63	0.02		ND	0.02	
Benzo(k)fluoranthene	0.002	ND	0.04		0.88	0.08		0.26	0.04		0.22	0.04		ND	0.04	
Chrysene	0.002	ND	0.04		2.4	0.08		0.44	0.04		0.48	0.04		ND	0.04	
Acenaphthylene	NA	ND	0.04		ND	0.07		ND	0.04		0.22	0.04		ND	0.04	
Anthracene	50	ND	0.04		0.98	0.07		0.05	J	0.04	0.48	0.04		ND	0.04	
Benzo(ghi)perylene	NA	ND	0.04		0.89	0.08		0.4	0.04		0.35	0.04		ND	0.04	
Fluorene	50	ND	0.04		4.2	0.07		ND	0.04		5.3	0.04		ND	0.04	
Phenanthrene	50	ND	0.02		0.2	J	0.03	0.06	J	0.02	0.11	J	0.02	ND	0.02	
Dibenzo(a,h)anthracene	NA	ND	0.04		0.3	J	0.08	0.11	J	0.04	0.11	J	0.04	ND	0.04	
Indeno(1,2,3-cd)Pyrene	0.002	ND	0.04		0.86	0.08		0.37	0.04		0.27	0.04		ND	0.04	
Pyrene	50	ND	0.04		6.6	0.08		0.49	0.04		3.2	0.04		ND	0.04	
Total SVOCs		-	-	-	35.31	-	-	4.29	-	-	25.87	-	-	-	-	-
PESTICIDES																
trans-Chlordane	NA	-	-	-	-	-	-	0.013	J	0.006	0.01	J	0.006	-	-	-
METALS, DISSOLVED																
Aluminum, Dissolved	NA	-	-	-	-	-	-	3.6	J	1.69	5.65	J	1.69	-	-	-
Antimony, Dissolved	3	-	-	-	-	-	-	0.72	J	0.06	0.28	J	0.06	-	-	-
Arsenic, Dissolved	25	-	-	-	-	-	-	0.21	J	0.12	3.85	0.12	-	-	-	-
Barium, Dissolved	1000	-	-	-	-	-	-	249.5		0.06	233.9	0.06	-	-	-	-
Cadmium, Dissolved	5	-	-	-	-	-	-	0.27		0.05	ND	0.05	-	-	-	-
Calcium, Dissolved	NA	-	-	-	-	-	-	159000		640	180000	640	-	-	-	-
Chromium, Dissolved	50	-	-	-	-	-	-	1.74	J	0.25	1.33	J	0.25	-	-	-
Cobalt, Dissolved	NA	-	-	-	-	-	-	0.23		0.06	7.51	0.06	-	-	-	-
Copper, Dissolved	200	-	-	-	-	-	-	1.39		0.26	ND	0.26	-	-	-	-
Iron, Dissolved	300	-	-	-	-	-	-	15.9	J	12	2090	12	-	-	-	-
Magnesium, Dissolved	35000	-	-	-	-	-	-	25500		22.3	26000	22.3	-	-	-	-
Manganese, Dissolved	300	-	-	-	-	-	-	2984		6.04	5018	6.04	-	-	-	-
Nickel, Dissolved	100	-	-	-	-	-	-	5.89		0.08	7.34	0.08	-	-	-	-
Potassium, Dissolved	NA	-	-	-	-	-	-	2300		19.3	2660	19.3	-	-	-	-
Sodium, Dissolved	20000	-	-	-	-	-	-	94500		322	175000	322	-	-	-	-
Vanadium, Dissolved	NA	-	-	-	-	-	-	0.82	J	0.55	ND	0.55	-	-	-	-
Zinc, Dissolved	2000	-	-	-	-	-	-	ND		2.56	13.1	2.56	-	-	-	-
METALS, TOTAL																
Aluminum, Total	NA	-	-	-	-	-	-	1220		33.8	523	33.8	-	-	-	-
Antimony, Total	3	-	-	-	-	-	-	ND		0.06	0.09	J	0.06	-	-	-
Arsenic, Total	25	-	-	-	-	-	-	1.55		0.12	6.68	0.12	-	-	-	-
Barium, Total	1000	-	-	-	-	-	-	286.7		0.06	269.8	0.06	-	-	-	-
Cadmium, Total	5	-	-	-	-	-	-	0.31		0.05	0.09	J	0.05	-	-	-
Calcium, Total	NA	-	-	-	-	-	-	147000		640	182000	640	-	-	-	-
Chromium, Total	50	-	-	-	-	-	-	2.57		0.25	2.26	0.25	-	-	-	-
Cobalt, Total	NA	-	-	-	-	-	-	0.98		0.06	8.34	0.06	-	-	-	-
Copper, Total	200	-	-	-	-	-	-	5.14		0.26	1.98	0.26	-	-	-	-
Iron, Total	300	-	-	-	-	-	-	1730		12	5850	12	-	-	-	-
Lead, Total	25	-	-	-	-	-	-	1.76		0.12	0.72	J	0.12	-	-	-
Magnesium, Total	35000	-	-	-	-	-	-	27000		22.3	26600	22.3	-	-	-	-
Manganese, Total	300	-	-	-	-	-	-	3288		6.04	5008	6.04	-	-	-	-
Nickel, Total	100	-	-	-	-	-	-	7.12		0.08	8.82	0.08	-	-	-	-
Potassium, Total	NA	-	-	-	-	-	-	2580		19.3	2790	19.3	-	-	-	-
Sodium, Total	20000	-	-	-	-	-	-	91600		322	164000	322	-	-	-	-
Vanadium, Total	NA	-	-	-	-	-	-	4.78	J	0.55	2.1	J	0.55	-	-	-
Zinc, Total	2000	-	-	-	-	-	-	5.94	J	2.56	17.72	2.56	-	-	-	-

Cells highlighted in yellow exceed the NY-AWQS: New York TOGS 111 Ambient Water Quality Standards (AWQS) criteria.
Cells highlighted in grey contain method detection limits (MDLs) above the AWQS.

Attachment 1

Laboratory Deliverables



ANALYTICAL REPORT

Lab Number:	L1530151
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 303 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG TRIANGLE PARCEL
Project Number:	OC
Report Date:	11/21/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530151-01	MW5	WATER	ORANGEBURG, NY	11/16/15 17:15	11/17/15
L1530151-02	MW3	WATER	ORANGEBURG, NY	11/16/15 18:35	11/17/15
L1530151-03	MW6	WATER	ORANGEBURG, NY	11/17/15 07:55	11/17/15
L1530151-04	MW2	WATER	ORANGEBURG, NY	11/17/15 09:11	11/17/15
L1530151-05	TMW1	WATER	ORANGEBURG, NY	11/17/15 10:42	11/17/15
L1530151-06	TMW2	WATER	ORANGEBURG, NY	11/17/15 11:15	11/17/15
L1530151-07	TRIP BLANK	WATER	ORANGEBURG, NY	11/17/15 00:00	11/17/15

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Case Narrative (continued)

Report Submission

The results of the Fingerprint analysis have been issued under separate cover.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics by SIM

L1530151-02: The sample has elevated detection limits due to the dilution required by the sample matrix.

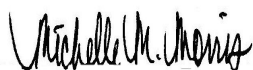
Dissolved Metals

The WG841907-4 MS recovery for calcium (70%), performed on L1530151-03, does not apply because the sample concentration is greater than four times the spike amount added.

The WG841907-4 MS recovery, performed on L1530151-03, is outside the acceptance criteria for magnesium (188%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 11/21/15

ORGANICS

VOLATILES

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 12:58
Analyst: PD

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02
Client ID: MW3
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 13:28
Analyst: PD

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02

Date Collected: 11/16/15 18:35

Client ID: MW3

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02
Client ID: MW3
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 13:57
Analyst: PD

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.0	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.34	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	0.84	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03

Date Collected: 11/17/15 07:55

Client ID: MW6

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 14:26
Analyst: PD

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04

Date Collected: 11/17/15 09:11

Client ID: MW2

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 14:56
Analyst: PD

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 15:25
Analyst: PD

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.72	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-07
Client ID: TRIP BLANK
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/15 12:28
Analyst: PD

Date Collected: 11/17/15 00:00
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-07
Client ID: TRIP BLANK
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 00:00
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-07
Client ID: TRIP BLANK
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 00:00
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/19/15 10:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG842382-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/19/15 10:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG842382-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/19/15 10:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG842382-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG842382-1 WG842382-2								
Methylene chloride	106		92		70-130	14		20
1,1-Dichloroethane	107		92		70-130	15		20
Chloroform	111		94		70-130	17		20
2-Chloroethylvinyl ether	98		82		70-130	18		20
Carbon tetrachloride	113		96		63-132	16		20
1,2-Dichloropropane	109		94		70-130	15		20
Dibromochloromethane	110		92		63-130	18		20
1,1,2-Trichloroethane	102		86		70-130	17		20
Tetrachloroethene	113		95		70-130	17		20
Chlorobenzene	111		94		75-130	17		20
Trichlorofluoromethane	96		85		62-150	12		20
1,2-Dichloroethane	100		84		70-130	17		20
1,1,1-Trichloroethane	112		96		67-130	15		20
Bromodichloromethane	112		95		67-130	16		20
trans-1,3-Dichloropropene	107		88		70-130	19		20
cis-1,3-Dichloropropene	114		96		70-130	17		20
1,1-Dichloropropene	108		92		70-130	16		20
Bromoform	105		90		54-136	15		20
1,1,2,2-Tetrachloroethane	94		78		67-130	19		20
Benzene	112		95		70-130	16		20
Toluene	110		94		70-130	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG842382-1 WG842382-2								
Ethylbenzene	111		96		70-130	14		20
Chloromethane	99		87		64-130	13		20
Bromomethane	129		120		39-139	7		20
Vinyl chloride	120		102		55-140	16		20
Chloroethane	132		110		55-138	18		20
1,1-Dichloroethene	101		90		61-145	12		20
trans-1,2-Dichloroethene	107		94		70-130	13		20
Trichloroethene	113		95		70-130	17		20
1,2-Dichlorobenzene	108		93		70-130	15		20
1,3-Dichlorobenzene	113		93		70-130	19		20
1,4-Dichlorobenzene	109		93		70-130	16		20
Methyl tert butyl ether	100		85		63-130	16		20
p/m-Xylene	115		97		70-130	17		20
o-Xylene	115		98		70-130	16		20
cis-1,2-Dichloroethene	112		97		70-130	14		20
Dibromomethane	103		88		70-130	16		20
1,2,3-Trichloropropane	91		77		64-130	17		20
Acrylonitrile	90		78		70-130	14		20
Isopropyl Ether	97		84		70-130	14		20
tert-Butyl Alcohol	84		74		70-130	13		20
Styrene	116		103		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG842382-1 WG842382-2								
Dichlorodifluoromethane	89		79		36-147	12		20
Acetone	71		55	Q	58-148	25	Q	20
Carbon disulfide	98		83		51-130	17		20
2-Butanone	76		64		63-138	17		20
Vinyl acetate	90		75		70-130	18		20
4-Methyl-2-pentanone	91		77		59-130	17		20
2-Hexanone	78		63		57-130	21	Q	20
Acrolein	91		75		40-160	19		20
Bromochloromethane	118		100		70-130	17		20
2,2-Dichloropropane	114		96		63-133	17		20
1,2-Dibromoethane	102		85		70-130	18		20
1,3-Dichloropropane	102		86		70-130	17		20
1,1,1,2-Tetrachloroethane	116		98		64-130	17		20
Bromobenzene	109		93		70-130	16		20
n-Butylbenzene	110		90		53-136	20		20
sec-Butylbenzene	113		93		70-130	19		20
tert-Butylbenzene	113		96		70-130	16		20
o-Chlorotoluene	105		88		70-130	18		20
p-Chlorotoluene	109		92		70-130	17		20
1,2-Dibromo-3-chloropropane	95		82		41-144	15		20
Hexachlorobutadiene	120		105		63-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG842382-1 WG842382-2								
Isopropylbenzene	112		93		70-130	19		20
p-Isopropyltoluene	116		96		70-130	19		20
Naphthalene	92		79		70-130	15		20
n-Propylbenzene	113		96		69-130	16		20
1,2,3-Trichlorobenzene	100		87		70-130	14		20
1,2,4-Trichlorobenzene	107		91		70-130	16		20
1,3,5-Trimethylbenzene	112		94		64-130	17		20
1,2,4-Trimethylbenzene	112		96		70-130	15		20
Methyl Acetate	86		74		70-130	15		20
Ethyl Acetate	83		69	Q	70-130	18		20
Cyclohexane	99		85		70-130	15		20
Ethyl-Tert-Butyl-Ether	100		86		70-130	15		20
Tertiary-Amyl Methyl Ether	102		86		66-130	17		20
1,4-Dioxane	90		83		56-162	8		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		87		70-130	14		20
p-Diethylbenzene	119		98		70-130	19		20
p-Ethyltoluene	115		96		70-130	18		20
1,2,4,5-Tetramethylbenzene	113		94		70-130	18		20
Ethyl ether	98		86		59-134	13		20
trans-1,4-Dichloro-2-butene	86		71		70-130	19		20
Methyl cyclohexane	107		90		70-130	17		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG842382-1 WG842382-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 15:25
Analyst: AL

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/20/15 17:15
Analyst: KR

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-01
Client ID: MW5
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 17:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	77		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02
Client ID: MW3
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 15:53
Analyst: AL

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02
Client ID: MW3
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	94		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02 D
Client ID: MW3
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/15 09:28
Analyst: KR

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.7		ug/l	0.40	0.07	2
2-Chloronaphthalene	ND		ug/l	0.40	0.07	2
Fluoranthene	5.7		ug/l	0.40	0.08	2
Hexachlorobutadiene	ND		ug/l	1.0	0.07	2
Naphthalene	ND		ug/l	0.40	0.09	2
Benzo(a)anthracene	2.4		ug/l	0.40	0.03	2
Benzo(a)pyrene	1.8		ug/l	0.40	0.08	2
Benzo(b)fluoranthene	2.4		ug/l	0.40	0.03	2
Benzo(k)fluoranthene	0.88		ug/l	0.40	0.08	2
Chrysene	2.4		ug/l	0.40	0.08	2
Acenaphthylene	ND		ug/l	0.40	0.07	2
Anthracene	0.98		ug/l	0.40	0.07	2
Benzo(ghi)perylene	0.89		ug/l	0.40	0.08	2
Fluorene	4.2		ug/l	0.40	0.07	2
Phenanthrene	0.20	J	ug/l	0.40	0.03	2
Dibenzo(a,h)anthracene	0.30	J	ug/l	0.40	0.08	2
Indeno(1,2,3-cd)Pyrene	0.86		ug/l	0.40	0.08	2
Pyrene	6.6		ug/l	0.40	0.08	2
2-Methylnaphthalene	ND		ug/l	0.40	0.09	2
Pentachlorophenol	ND		ug/l	1.6	0.44	2
Hexachlorobenzene	ND		ug/l	1.6	0.06	2
Hexachloroethane	ND		ug/l	1.6	0.06	2

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-02 D
Client ID: MW3
Sample Location: ORANGEBURG, NY

Date Collected: 11/16/15 18:35
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	75		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 16:20
Analyst: AL

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	81		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/15 08:57
Analyst: KR

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.45		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.38		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.52		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.76		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.26		ug/l	0.20	0.04	1
Chrysene	0.44		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.05	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.40		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.06	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.11	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	0.37		ug/l	0.20	0.04	1
Pyrene	0.49		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	81		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 16:47
Analyst: AL

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/20/15 18:55
Analyst: KR

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	12		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	1.5		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.08	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	0.41		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.51		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.63		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.22		ug/l	0.20	0.04	1
Chrysene	0.48		ug/l	0.20	0.04	1
Acenaphthylene	0.22		ug/l	0.20	0.04	1
Anthracene	0.48		ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.35		ug/l	0.20	0.04	1
Fluorene	5.3		ug/l	0.20	0.04	1
Phenanthrene	0.11	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.11	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	0.27		ug/l	0.20	0.04	1
Pyrene	3.2		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	75		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 17:13
Analyst: AL

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	89		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/15 07:35
Analyst: KR

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-05
Client ID: TMW1
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 10:42
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	82		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 11/20/15 17:39
Analyst: AL

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	74		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/15 08:07
Analyst: KR

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-06
Client ID: TMW2
Sample Location: ORANGEBURG, NY

Date Collected: 11/17/15 11:15
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	68		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/20/15 14:35
 Analyst: AL

Extraction Method: EPA 3510C
 Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG842670-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/20/15 14:35
 Analyst: AL

Extraction Method: EPA 3510C
 Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG842670-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/20/15 14:35
 Analyst: AL

Extraction Method: EPA 3510C
 Extraction Date: 11/20/15 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG842670-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	88		41-149

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 11/20/15 15:02
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG842671-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 11/20/15 15:02
 Analyst: KR

Extraction Method: EPA 3510C
 Extraction Date: 11/20/15 06:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG842671-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	80		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG842670-2 WG842670-3								
Acenaphthene	61		58		37-111	5		30
1,2,4-Trichlorobenzene	52		50		39-98	4		30
Hexachlorobenzene	95		84		40-140	12		30
Bis(2-chloroethyl)ether	71		66		40-140	7		30
2-Chloronaphthalene	62		57		40-140	8		30
1,2-Dichlorobenzene	54		45		40-140	18		30
1,3-Dichlorobenzene	48		42		40-140	13		30
1,4-Dichlorobenzene	49		42		36-97	15		30
3,3'-Dichlorobenzidine	90		89		40-140	1		30
2,4-Dinitrotoluene	100	Q	94		24-96	6		30
2,6-Dinitrotoluene	102		100		40-140	2		30
Fluoranthene	92		87		40-140	6		30
4-Chlorophenyl phenyl ether	81		78		40-140	4		30
4-Bromophenyl phenyl ether	97		88		40-140	10		30
Bis(2-chloroisopropyl)ether	62		58		40-140	7		30
Bis(2-chloroethoxy)methane	79		73		40-140	8		30
Hexachlorobutadiene	53		53		40-140	0		30
Hexachlorocyclopentadiene	60		60		40-140	0		30
Hexachloroethane	42		37	Q	40-140	13		30
Isophorone	83		74		40-140	11		30
Naphthalene	56		52		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG842670-2 WG842670-3								
Nitrobenzene	76		72		40-140	5		30
NitrosoDiPhenylAmine(NDPA)/DPA	86		83		40-140	4		30
n-Nitrosodi-n-propylamine	82		74		29-132	10		30
Bis(2-Ethylhexyl)phthalate	80		78		40-140	3		30
Butyl benzyl phthalate	86		83		40-140	4		30
Di-n-butylphthalate	82		78		40-140	5		30
Di-n-octylphthalate	87		85		40-140	2		30
Diethyl phthalate	87		83		40-140	5		30
Dimethyl phthalate	88		83		40-140	6		30
Benzo(a)anthracene	87		85		40-140	2		30
Benzo(a)pyrene	85		83		40-140	2		30
Benzo(b)fluoranthene	84		85		40-140	1		30
Benzo(k)fluoranthene	86		81		40-140	6		30
Chrysene	89		87		40-140	2		30
Acenaphthylene	71		68		45-123	4		30
Anthracene	83		80		40-140	4		30
Benzo(ghi)perylene	83		84		40-140	1		30
Fluorene	75		73		40-140	3		30
Phenanthrene	78		75		40-140	4		30
Dibenzo(a,h)anthracene	87		88		40-140	1		30
Indeno(1,2,3-cd)Pyrene	88		88		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG842670-2 WG842670-3								
Pyrene	90		84		26-127	7		30
Biphenyl	65		59		54-104	10		30
4-Chloroaniline	88		75		40-140	16		30
2-Nitroaniline	102		99		52-143	3		30
3-Nitroaniline	78		79		25-145	1		30
4-Nitroaniline	86		87		51-143	1		30
Dibenzofuran	69		65		40-140	6		30
2-Methylnaphthalene	56		52		40-140	7		30
1,2,4,5-Tetrachlorobenzene	66		60		2-134	10		30
Acetophenone	90		83		39-129	8		30
2,4,6-Trichlorophenol	106		102		30-130	4		30
P-Chloro-M-Cresol	94		85		23-97	10		30
2-Chlorophenol	76		72		27-123	5		30
2,4-Dichlorophenol	88		86		30-130	2		30
2,4-Dimethylphenol	95		86		30-130	10		30
2-Nitrophenol	91		86		30-130	6		30
4-Nitrophenol	56		61		10-80	9		30
2,4-Dinitrophenol	94		94		20-130	0		30
4,6-Dinitro-o-cresol	107		104		20-164	3		30
Pentachlorophenol	94		87		9-103	8		30
Phenol	36		33		12-110	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG842670-2 WG842670-3								
2-Methylphenol	71		67		30-130	6		30
3-Methylphenol/4-Methylphenol	70		63		30-130	11		30
2,4,5-Trichlorophenol	105		98		30-130	7		30
Benzoic Acid	44		31		10-110	35	Q	30
Benzyl Alcohol	71		65		15-110	9		30
Carbazole	84		79		55-144	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		48		21-120
Phenol-d6	38		34		10-120
Nitrobenzene-d5	81		74		23-120
2-Fluorobiphenyl	90		84		15-120
2,4,6-Tribromophenol	98		88		10-120
4-Terphenyl-d14	97		90		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG842671-2 WG842671-3								
Acenaphthene	78		73		37-111	7		40
2-Chloronaphthalene	75		68		40-140	10		40
Fluoranthene	84		80		40-140	5		40
Hexachlorobutadiene	59		52		40-140	13		40
Naphthalene	72		66		40-140	9		40
Benzo(a)anthracene	88		84		40-140	5		40
Benzo(a)pyrene	90		87		40-140	3		40
Benzo(b)fluoranthene	94		87		40-140	8		40
Benzo(k)fluoranthene	84		84		40-140	0		40
Chrysene	80		76		40-140	5		40
Acenaphthylene	75		71		40-140	5		40
Anthracene	82		79		40-140	4		40
Benzo(ghi)perylene	90		86		40-140	5		40
Fluorene	79		76		40-140	4		40
Phenanthrene	81		78		40-140	4		40
Dibenzo(a,h)anthracene	91		87		40-140	4		40
Indeno(1,2,3-cd)Pyrene	91		87		40-140	4		40
Pyrene	83		79		26-127	5		40
2-Methylnaphthalene	78		71		40-140	9		40
Pentachlorophenol	67		63		9-103	6		40
Hexachlorobenzene	72		69		40-140	4		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG842671-2 WG842671-3								
Hexachloroethane	60		52		40-140	14		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		42		21-120
Phenol-d6	37		33		10-120
Nitrobenzene-d5	108		98		23-120
2-Fluorobiphenyl	75		71		15-120
2,4,6-Tribromophenol	80		78		10-120
4-Terphenyl-d14	79		76		41-149

PCBS

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/19/15 16:47
Analyst: JT

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/19/15 04:48
Cleanup Method: EPA 3665A
Cleanup Date: 11/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/19/15 17:00
Analyst: JT

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/19/15 04:48
Cleanup Method: EPA 3665A
Cleanup Date: 11/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/19/15 15:24
 Analyst: JT

Extraction Method: EPA 3510C
 Extraction Date: 11/19/15 04:48
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/19/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG842194-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	97		30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG842194-2 WG842194-3									
Aroclor 1016	92		85		40-140	8		50	A
Aroclor 1260	93		95		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	B
Decachlorobiphenyl	89		93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		65		30-150	A
Decachlorobiphenyl	96		97		30-150	A

PESTICIDES

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03
Client ID: MW6
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/20/15 05:05
Analyst: EC

Date Collected: 11/17/15 07:55
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/18/15 07:02
Cleanup Method: EPA 3620B
Cleanup Date: 11/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.013	J	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04
Client ID: MW2
Sample Location: ORANGEBURG, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/20/15 05:21
Analyst: EC

Date Collected: 11/17/15 09:11
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/18/15 07:02
Cleanup Method: EPA 3620B
Cleanup Date: 11/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.010	JPI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/20/15 04:16
 Analyst: EC

Extraction Method: EPA 3510C
 Extraction Date: 11/18/15 07:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG841766-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	0.013	J	ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	103		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG841766-2 WG841766-3									
Delta-BHC	60		87		30-150	37	Q	20	A
Lindane	57		83		30-150	38	Q	20	A
Alpha-BHC	57		84		30-150	39	Q	20	A
Beta-BHC	47		70		30-150	39	Q	20	A
Heptachlor	51		80		30-150	43	Q	20	A
Aldrin	59		91		30-150	42	Q	20	A
Heptachlor epoxide	52		78		30-150	40	Q	20	A
Endrin	66		98		30-150	38	Q	20	A
Endrin ketone	59		84		30-150	35	Q	20	A
Dieldrin	62		92		30-150	39	Q	20	A
4,4'-DDE	62		91		30-150	37	Q	20	A
4,4'-DDD	59		84		30-150	36	Q	20	A
4,4'-DDT	69		98		30-150	34	Q	20	A
Endosulfan I	58		83		30-150	35	Q	20	A
Endosulfan II	55		75		30-150	31	Q	20	A
Endosulfan sulfate	62		87		30-150	34	Q	20	A
Methoxychlor	71		101		30-150	35	Q	20	A
cis-Chlordane	50		72		30-150	36	Q	20	A
trans-Chlordane	53		79		30-150	39	Q	20	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG841766-2 WG841766-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		80		30-150	A
Decachlorobiphenyl	79		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		67		30-150	B
Decachlorobiphenyl	76		85		30-150	B

METALS

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03

Date Collected: 11/17/15 07:55

Client ID: MW6

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.22		mg/l	0.200	0.0338	20	11/18/15 09:00	11/18/15 17:25	EPA 3005A	1,6020A	KL
Antimony, Total	ND		mg/l	0.00200	0.00006	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00155		mg/l	0.00050	0.00012	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Barium, Total	0.2867		mg/l	0.00050	0.00006	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00031		mg/l	0.00020	0.00005	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Calcium, Total	147.		mg/l	2.00	0.640	20	11/18/15 09:00	11/18/15 17:25	EPA 3005A	1,6020A	KL
Chromium, Total	0.00257		mg/l	0.00200	0.00025	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00098		mg/l	0.00020	0.00006	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Copper, Total	0.00514		mg/l	0.00100	0.00026	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Iron, Total	1.73		mg/l	0.0500	0.0120	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Lead, Total	0.00176		mg/l	0.00100	0.00012	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Magnesium, Total	27.0		mg/l	0.0700	0.0223	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Manganese, Total	3.288		mg/l	0.02000	0.00604	20	11/18/15 09:00	11/18/15 17:25	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:34	EPA 7470A	1,7470A	EA
Nickel, Total	0.00712		mg/l	0.00100	0.00008	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Potassium, Total	2.58		mg/l	0.100	0.0193	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Sodium, Total	91.6		mg/l	2.00	0.322	20	11/18/15 09:00	11/18/15 17:25	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00005	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00478	J	mg/l	0.00500	0.00055	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Zinc, Total	0.00594	J	mg/l	0.01000	0.00256	1	11/18/15 09:00	11/18/15 17:28	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00360	J	mg/l	0.0100	0.00169	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Antimony, Dissolved	0.00072	J	mg/l	0.00200	0.00006	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Arsenic, Dissolved	0.00021	J	mg/l	0.00050	0.00012	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.2495		mg/l	0.00050	0.00006	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	0.00027		mg/l	0.00020	0.00005	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL



Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-03

Date Collected: 11/17/15 07:55

Client ID: MW6

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	159.		mg/l	2.00	0.640	20	11/18/15 14:10	11/19/15 09:27	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00174	J	mg/l	0.00200	0.00025	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Cobalt, Dissolved	0.00023		mg/l	0.00020	0.00006	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Copper, Dissolved	0.00139		mg/l	0.00100	0.00026	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Iron, Dissolved	0.0159	J	mg/l	0.0500	0.0120	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Magnesium, Dissolved	25.5		mg/l	0.0700	0.0223	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Manganese, Dissolved	2.984		mg/l	0.02000	0.00604	20	11/18/15 14:10	11/19/15 09:27	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:20	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00589		mg/l	0.00100	0.00008	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Potassium, Dissolved	2.30		mg/l	0.100	0.0193	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Sodium, Dissolved	94.5		mg/l	2.00	0.322	20	11/18/15 14:10	11/19/15 09:27	EPA 3005A	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Vanadium, Dissolved	0.00082	J	mg/l	0.00500	0.00055	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00256	1	11/18/15 14:10	11/19/15 09:31	EPA 3005A	1,6020A	KL



Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04

Date Collected: 11/17/15 09:11

Client ID: MW2

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.523		mg/l	0.200	0.0338	20	11/18/15 09:00	11/18/15 17:32	EPA 3005A	1,6020A	KL
Antimony, Total	0.00009	J	mg/l	0.00200	0.00006	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00668		mg/l	0.00050	0.00012	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Barium, Total	0.2698		mg/l	0.00050	0.00006	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Calcium, Total	182.		mg/l	2.00	0.640	20	11/18/15 09:00	11/18/15 17:32	EPA 3005A	1,6020A	KL
Chromium, Total	0.00226		mg/l	0.00200	0.00025	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00834		mg/l	0.00020	0.00006	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Copper, Total	0.00198		mg/l	0.00100	0.00026	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Iron, Total	5.85		mg/l	0.0500	0.0120	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Lead, Total	0.00072	J	mg/l	0.00100	0.00012	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Magnesium, Total	26.6		mg/l	0.0700	0.0223	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Manganese, Total	5.008		mg/l	0.02000	0.00604	20	11/18/15 09:00	11/18/15 17:32	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:40	EPA 7470A	1,7470A	EA
Nickel, Total	0.00882		mg/l	0.00100	0.00008	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Potassium, Total	2.79		mg/l	0.100	0.0193	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Sodium, Total	164.		mg/l	2.00	0.322	20	11/18/15 09:00	11/18/15 17:32	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00005	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00210	J	mg/l	0.00500	0.00055	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL
Zinc, Total	0.01772		mg/l	0.01000	0.00256	1	11/18/15 09:00	11/18/15 17:36	EPA 3005A	1,6020A	KL

Dissolved Metals - Westborough Lab

Aluminum, Dissolved	0.00565	J	mg/l	0.0100	0.00169	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Antimony, Dissolved	0.00028	J	mg/l	0.00200	0.00006	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Arsenic, Dissolved	0.00385		mg/l	0.00050	0.00012	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.2339		mg/l	0.00050	0.00006	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL



Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

SAMPLE RESULTS

Lab ID: L1530151-04

Date Collected: 11/17/15 09:11

Client ID: MW2

Date Received: 11/17/15

Sample Location: ORANGEBURG, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	180.		mg/l	2.00	0.640	20	11/18/15 14:10	11/19/15 10:04	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00133	J	mg/l	0.00200	0.00025	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Cobalt, Dissolved	0.00751		mg/l	0.00020	0.00006	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00026	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Iron, Dissolved	2.09		mg/l	0.0500	0.0120	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Magnesium, Dissolved	26.0		mg/l	0.0700	0.0223	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Manganese, Dissolved	5.018		mg/l	0.02000	0.00604	20	11/18/15 14:10	11/19/15 10:04	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:29	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00734		mg/l	0.00100	0.00008	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Potassium, Dissolved	2.66		mg/l	0.100	0.0193	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Sodium, Dissolved	175.		mg/l	2.00	0.322	20	11/18/15 14:10	11/19/15 10:04	EPA 3005A	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL
Zinc, Dissolved	0.01310		mg/l	0.01000	0.00256	1	11/18/15 14:10	11/19/15 10:07	EPA 3005A	1,6020A	KL



Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG841791-1										
Aluminum, Total	ND		mg/l	0.0100	0.00169	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Antimony, Total	0.00014	J	mg/l	0.00200	0.00006	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Arsenic, Total	0.00012	J	mg/l	0.00050	0.00012	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Barium, Total	0.00010	J	mg/l	0.00050	0.00006	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Chromium, Total	0.00082	J	mg/l	0.00200	0.00025	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00006	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00026	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0120	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.0223	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Manganese, Total	ND		mg/l	0.00100	0.00030	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Nickel, Total	0.00035	J	mg/l	0.00100	0.00008	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0193	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0161	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00005	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00055	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	11/18/15 09:00	11/18/15 13:11	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 03-04 Batch: WG841825-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:16	1,7470A	EA



Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530151

Project Number: OC

Report Date: 11/21/15

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG841826-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/18/15 10:23	11/18/15 19:30	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 03-04 Batch: WG841907-1										
Aluminum, Dissolved	0.00202	J	mg/l	0.0100	0.00169	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Antimony, Dissolved	0.00095	J	mg/l	0.00200	0.00006	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00012	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Barium, Dissolved	0.00019	J	mg/l	0.00050	0.00006	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Chromium, Dissolved	0.00118	J	mg/l	0.00200	0.00025	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00006	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00026	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0120	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0223	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Manganese, Dissolved	ND		mg/l	0.00100	0.00030	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Nickel, Dissolved	0.00060	J	mg/l	0.00100	0.00008	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Potassium, Dissolved	ND		mg/l	0.100	0.0193	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Sodium, Dissolved	0.0555	J	mg/l	0.100	0.0161	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL

Project Name: ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Method Blank Analysis Batch Quality Control

Zinc, Dissolved	ND	mg/l	0.01000	0.00256	1	11/18/15 14:10	11/19/15 09:09	1,6020A	KL
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Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841791-2								
Aluminum, Total	92		-		80-120	-		
Antimony, Total	90		-		80-120	-		
Arsenic, Total	107		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	89		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	96		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	94		-		80-120	-		
Lead, Total	106		-		80-120	-		
Magnesium, Total	112		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	105		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Thallium, Total	108		-		80-120	-		
Vanadium, Total	99		-		80-120	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ORANGEBURG TRIANGLE PARCEL**Lab Number:** L1530151**Project Number:** OC**Report Date:** 11/21/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841791-2					
Zinc, Total	103	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841825-2					
Mercury, Dissolved	96	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841826-2					
Mercury, Total	100	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841907-2					
Aluminum, Dissolved	90	-	80-120	-	
Antimony, Dissolved	88	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	95	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	104	-	80-120	-	
Calcium, Dissolved	82	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	97	-	80-120	-	
Lead, Dissolved	97	-	80-120	-	
Magnesium, Dissolved	114	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	104	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	116	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	114	-	80-120	-	
Thallium, Dissolved	94	-	80-120	-	
Vanadium, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL**Project Number:** OC**Lab Number:** L1530151**Report Date:** 11/21/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG841907-2					
Zinc, Dissolved	106	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841791-3 WG841791-4 QC Sample: L1530103-13 Client ID: MS Sample												
Aluminum, Total	0.178	2	2.15	99		2.19	101		75-125	2		20
Antimony, Total	0.00636	0.5	0.5364	106		0.5728	113		75-125	7		20
Arsenic, Total	0.00142	0.12	0.1397	115		0.1372	113		75-125	2		20
Barium, Total	0.05703	2	2.150	105		2.186	106		75-125	2		20
Beryllium, Total	ND	0.05	0.05286	106		0.05312	106		75-125	0		20
Cadmium, Total	0.00033	0.051	0.06668	130	Q	0.06578	128	Q	75-125	1		20
Calcium, Total	29.0	10	35.6	66	Q	36.3	73	Q	75-125	2		20
Chromium, Total	0.08315	0.2	0.2736	95		0.3000	108		75-125	9		20
Cobalt, Total	0.00066	0.5	0.5042	101		0.5224	104		75-125	4		20
Copper, Total	0.00511	0.25	0.2742	108		0.2836	111		75-125	3		20
Iron, Total	2.81	1	3.56	75		3.50	69	Q	75-125	2		20
Lead, Total	0.00131	0.51	0.5658	111		0.5844	114		75-125	3		20
Magnesium, Total	3.82	10	15.5	117		16.1	123		75-125	4		20
Manganese, Total	0.5626	0.5	1.030	93		1.093	106		75-125	6		20
Nickel, Total	0.00579	0.5	0.5252	104		0.5464	108		75-125	4		20
Potassium, Total	3.36	10	14.3	109		14.7	113		75-125	3		20
Selenium, Total	ND	0.12	0.134	112		0.139	116		75-125	4		20
Silver, Total	ND	0.05	0.05400	108		0.05548	111		75-125	3		20
Sodium, Total	87.2	10	103	158	Q	106	188	Q	75-125	3		20
Thallium, Total	ND	0.12	0.1352	113		0.1392	116		75-125	3		20
Vanadium, Total	ND	0.5	0.5516	110		0.5696	114		75-125	3		20

Matrix Spike Analysis Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841791-3 WG841791-4 QC Sample: L1530103-13 Client ID: MS Sample									
Zinc, Total	0.04041	0.5	0.6154	115	0.6004	112	75-125	2	20
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841825-4 QC Sample: L1530151-03 Client ID: MW6									
Mercury, Dissolved	ND	0.005	0.00458	92	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841826-4 QC Sample: L1530151-03 Client ID: MW6									
Mercury, Total	ND	0.005	0.00437	87	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841907-4 QC Sample: L1530151-03 Client ID: MW6									
Aluminum, Dissolved	0.00360J	2	2.05	102	-	-	75-125	-	20
Antimony, Dissolved	0.00072J	0.5	0.5760	115	-	-	75-125	-	20
Arsenic, Dissolved	0.00021J	0.12	0.1437	120	-	-	75-125	-	20
Barium, Dissolved	0.2495	2	2.512	113	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05880	118	-	-	75-125	-	20
Cadmium, Dissolved	0.00027	0.051	0.06002	117	-	-	75-125	-	20
Calcium, Dissolved	159.	10	166	70	Q	-	75-125	-	20
Chromium, Dissolved	0.00174J	0.2	0.2150	108	-	-	75-125	-	20
Cobalt, Dissolved	0.00023	0.5	0.5260	105	-	-	75-125	-	20
Copper, Dissolved	0.00139	0.25	0.2906	116	-	-	75-125	-	20
Iron, Dissolved	0.0159J	1	1.06	106	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5750	113	-	-	75-125	-	20
Magnesium, Dissolved	25.5	10	44.3	188	Q	-	75-125	-	20
Manganese, Dissolved	2.984	0.5	3.434	90	-	-	75-125	-	20
Nickel, Dissolved	0.00589	0.5	0.5422	107	-	-	75-125	-	20
Potassium, Dissolved	2.30	10	14.0	117	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.132	110	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05568	111	-	-	75-125	-	20
Sodium, Dissolved	94.5	10	106	115	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1353	113	-	-	75-125	-	20
Vanadium, Dissolved	0.00082J	0.5	0.5602	112	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841907-4 QC Sample: L1530151-03 Client ID: MW6									
Zinc, Dissolved	ND	0.5	0.5624	112	-	-	75-125	-	20

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1530151
Report Date: 11/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841825-3 QC Sample: L1530151-03 Client ID: MW6						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841826-3 QC Sample: L1530151-03 Client ID: MW6						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841907-3 QC Sample: L1530151-03 Client ID: MW6						
Calcium, Dissolved	159.	162	mg/l	2		20
Manganese, Dissolved	2.984	3.148	mg/l	5		20
Sodium, Dissolved	94.5	96.1	mg/l	2		20

Lab Duplicate Analysis Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG841907-3 QC Sample: L1530151-03 Client ID: MW6					
Aluminum, Dissolved	0.00360J	0.00352J	mg/l	NC	20
Antimony, Dissolved	0.00072J	0.00064J	mg/l	NC	20
Arsenic, Dissolved	0.00021J	0.00022J	mg/l	NC	20
Barium, Dissolved	0.2495	0.2533	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00027	0.00029	mg/l	7	20
Chromium, Dissolved	0.00174J	0.00363	mg/l	NC	20
Cobalt, Dissolved	0.00023	0.00019J	mg/l	NC	20
Copper, Dissolved	0.00139	0.00127	mg/l	9	20
Iron, Dissolved	0.0159J	0.0229J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	25.5	26.8	mg/l	5	20
Nickel, Dissolved	0.00589	0.00624	mg/l	6	20
Potassium, Dissolved	2.30	2.39	mg/l	4	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00082J	0.00075J	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

Project Name: ORANGEBURG TRIANGLE PARCEL**Project Number:** OC**Lab Number:** L1530151**Report Date:** 11/21/15**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530151-01A	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-01B	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-01C	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-01D	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-01E	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-02A	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-02B	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-02C	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-02D	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-02E	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-03A	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-03B	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-03C	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1530151-03D	Plastic 250ml HNO3 preserved	D	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days



Project Name: ORANGEBURG TRIANGLE PARCEL

Project Number: OC

Lab Number: L1530151

Report Date: 11/21/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530151-03D1	Plastic 250ml HNO3 preserved	D	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1530151-03E	Plastic 250ml unpreserved	D	8	2.8	Y	Absent	-
L1530151-03E1	Plastic 250ml unpreserved	D	8	2.8	Y	Absent	-
L1530151-03F	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1530151-03G	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1530151-03H	Amber 500ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8081(7)
L1530151-03I	Amber 500ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8081(7)
L1530151-03I1	Amber 500ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8081(7)
L1530151-03J	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-03K	Amber 1000ml unpreserved	D	8	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-03X	Plastic 120ml HNO3 preserved spl	D	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1530151-04A	Vial HCl preserved	C	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1530151-04B	Vial HCl preserved	C	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1530151-04C	Vial HCl preserved	C	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1530151-04D	Plastic 250ml HNO3 preserved	C	<2	3.7	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1530151-04E	Plastic 250ml unpreserved	C	8	3.7	Y	Absent	-

*Values in parentheses indicate holding time in days



Project Name: ORANGEBURG TRIANGLE PARCEL**Project Number:** OC**Lab Number:** L1530151**Report Date:** 11/21/15**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530151-04F	Amber 1000ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8082-1200ML(7)
L1530151-04G	Amber 1000ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8082-1200ML(7)
L1530151-04H	Amber 500ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8081(7)
L1530151-04I	Amber 500ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8081(7)
L1530151-04J	Amber 1000ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-04K	Amber 1000ml unpreserved	C	8	3.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-04X	Plastic 120ml HNO3 preserved spl	C	<2	3.7	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1530151-05A	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-05B	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-05C	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-05D	Amber 1000ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-05E	Amber 1000ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-06A	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-06B	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-06C	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-06D	Amber 1000ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-06E	Amber 1000ml unpreserved	B	8	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1530151-07A	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1530151-07B	Vial HCl preserved	B	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530151
Report Date: 11/21/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers



Project Name: ORANGEBURG TRIANGLE PARCEL
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Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

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Report Date: 11/21/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab <u>11/18/15</u>		ALPHA Job # <u>C1530151</u>																																																																																																																																																
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Client Information Client: <u>Tenen</u> Address: Phone: Fax: Email: <u>mcarr@tenen-cw.com</u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☒ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																	
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04	MW2	↓	0911			X	X	X	X	X				14																																																																																																																																									
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Relinquished By: <u>Matthew Carroll</u> <u>Cecilia</u> <u>Matthew Carroll</u>				Date/Time: <u>11/12/15 16:00</u> <u>11/17/15 1910</u> <u>11/18/15 0000</u>		Received By: <u>Cecilia AAL</u> <u>Matthew Carroll</u> <u>Matthew Carroll</u>		Date/Time: <u>11/17/15 16:00</u> <u>11/17/15 1910</u> <u>11/18/15 0000</u>																																																																																																																																															



ANALYTICAL REPORT

Lab Number:	L1530155
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 303 New York City, NY 10001
ATTN:	Matt Carroll
Phone:	(646) 606-2332
Project Name:	ORANGEBURG TRIANGLE PARCEL
Project Number:	OC
Report Date:	11/20/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530155-01	MW4	OIL	ORANGEBURG, NY	11/16/15 17:40	11/17/15

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Petroleum Hydrocarbon Quantitation

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sample L1530155-01 was extracted and then analyzed using a gas chromatograph equipped with a flame ionization detector (GC/FID). The temperature program and associated experimental conditions were optimized to obtain maximum resolution in an eighty minute chromatographic run representative of hydrocarbons in the n-Octane (C8) to n-Tetracontane (C40) range. Qualitative evaluation of the sample is conducted by reviewing the sample chromatogram in conjunction with a chromatogram of a normal alkane series generated with the same chromatographic conditions. Chromatograms of hydrocarbon reference materials obtained from our library of 74 reference standards are also utilized to provide the best possible sample match. Quantitative determination of the sample hydrocarbon concentration is performed in accordance with EPA Method 8015M. The sample total hydrocarbon concentration and all associated quality control data are included in the report.

All quality control parameters met the specified criteria.

The following qualitative information is based on a tentative interpretation of chromatographic pattern recognition and boiling point ranges:

Total Petroleum Hydrocarbon Identification

Sample L1530155-01 contains material eluting in the range prior to the elution of n-Heptadecane (C17) to after the elution of n-Tetracontane (C40).

Based on the data generated, sample L1530155-01 contains an unresolved complex mixture (UCM) eluting in the mid to high molecular weight ranges of the chromatogram. The material is not an exact chromatographic

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

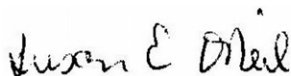
Lab Number: L1530155
Report Date: 11/20/15

Case Narrative (continued)

match to any standard contained in the reference library, however the chromatographic pattern is similar in nature to a heavy molecular weight hydraulic lubricating or motor oil type material.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 11/20/15

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

SAMPLE RESULTS

Lab ID: L1530155-01
 Client ID: MW4
 Sample Location: ORANGEBURG, NY
 Matrix: Oil
 Analytical Method: 1,8015D(M)
 Analytical Date: 11/19/15 18:03
 Analyst: NL
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 11/16/15 17:40
 Date Received: 11/17/15
 Field Prep: Not Specified
 Extraction Method: EPA 3580A
 Extraction Date: 11/19/15 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
--	--	--	--	--	--	--

Total Petroleum Hydrocarbons (C9-C44)	750000		mg/kg	6020	3010	1
---------------------------------------	--------	--	-------	------	------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		50-130
d50-Tetracosane	109		50-130

Project Name: ORANGEBURG TRIANGLE PARCEL

Lab Number: L1530155

Project Number: OC

Report Date: 11/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 11/19/15 10:30
 Analyst: NL

Extraction Method: EPA 3580A
 Extraction Date: 11/19/15 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab for sample(s): 01 Batch: WG842273-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/kg	6600	3300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		50-130
d50-Tetracosane	99		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab Associated sample(s): 01 Batch: WG842273-2 WG842273-3								
Nonane (C9)	107		105		50-130	2		30
Decane (C10)	92		92		50-130	0		30
Dodecane (C12)	92		92		50-130	0		30
Tetradecane (C14)	97		95		50-130	2		30
Hexadecane (C16)	106		104		50-130	2		30
Octadecane (C18)	108		105		50-130	3		30
Nonadecane (C19)	97		94		50-130	3		30
Eicosane (C20)	102		98		50-130	4		30
Docosane (C22)	104		100		50-130	4		30
Tetracosane (C24)	103		99		50-130	4		30
Hexacosane (C26)	102		98		50-130	4		30
Octacosane (C28)	104		100		50-130	4		30
Triacontane (C30)	103		100		50-130	3		30
Hexatriacontane (C36)	98		93		50-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	100		98		50-130
d50-Tetracosane	97		96		50-130

Project Name: ORANGEBURG TRIANGLE PARCEL**Project Number:** OC**Lab Number:** L1530155**Report Date:** 11/20/15**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530155-01A	Amber 500ml unpreserved	B	N/A	2.3	Y	Absent	A2-PHI(365),TS100()

*Values in parentheses indicate holding time in days

Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ORANGEBURG TRIANGLE PARCEL
Project Number: OC

Lab Number: L1530155
Report Date: 11/20/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.


**NEW YORK
CHAIN OF
CUSTODY**
Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

1 of 1

Date Rec'd
in Lab 11/18/15

ALPHA Job #

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information
Project Name: *Orangeburg Triangle Parcel*Project Location: *Orangeburg, NY*Project # *OL*(Use Project name as Project #) ☐Project Manager: *Matthew Canali*

ALPHAQuote #:

Turn-Around Time

Standard ☐Rush (only if pre approved) ☒

Due Date:

of Days: *11/20/15*
Deliverables
☒ ASP-A☐ ASP-B☐ EQUIS (1 File)☐ EQUIS (4 File)☐ Other
Billing Information
☒ Same as Client Info

PO #

Regulatory Requirement
☐ NY TOGS☐ NY Part 375☒ AWQ Standards☐ NY CP-51☐ NY Restricted Use☐ Other☐ NY Unrestricted Use☐ NYC Sewer Discharge
Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ☐ NY☐ Other:
ANALYSIS

TEL VOLs
TEL SVOLs
Anticlot
PFBs
PFB details (not for)
Fingerprint

Sample Filtration
☐ Done☒ Lab to do

Preservation

☐ Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottles

Client Information
Client: *Tenen*

Address:

Phone:

Fax:

Email: *Matthew@Tenen-Env.com*These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date

Time

Sample
MatrixSampler's
Initials

X

X

X

X

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Preservative Code:

A = None

B = HCl

C = HNO₃D = H₂SO₄

E = NaOH

F = MeOH

G = NaHSO₄H = Na₂S₂O₃

I = Zn Ac/NaOH

J = Other

Container Code

P = Plastic

A = Amber Glass

V = Vial

G = Glass

B = Bacteria Cup

C = Cube

O = Other

E = Encore

D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

61530155

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Email: micronut@kenen-emc.com

of Days:

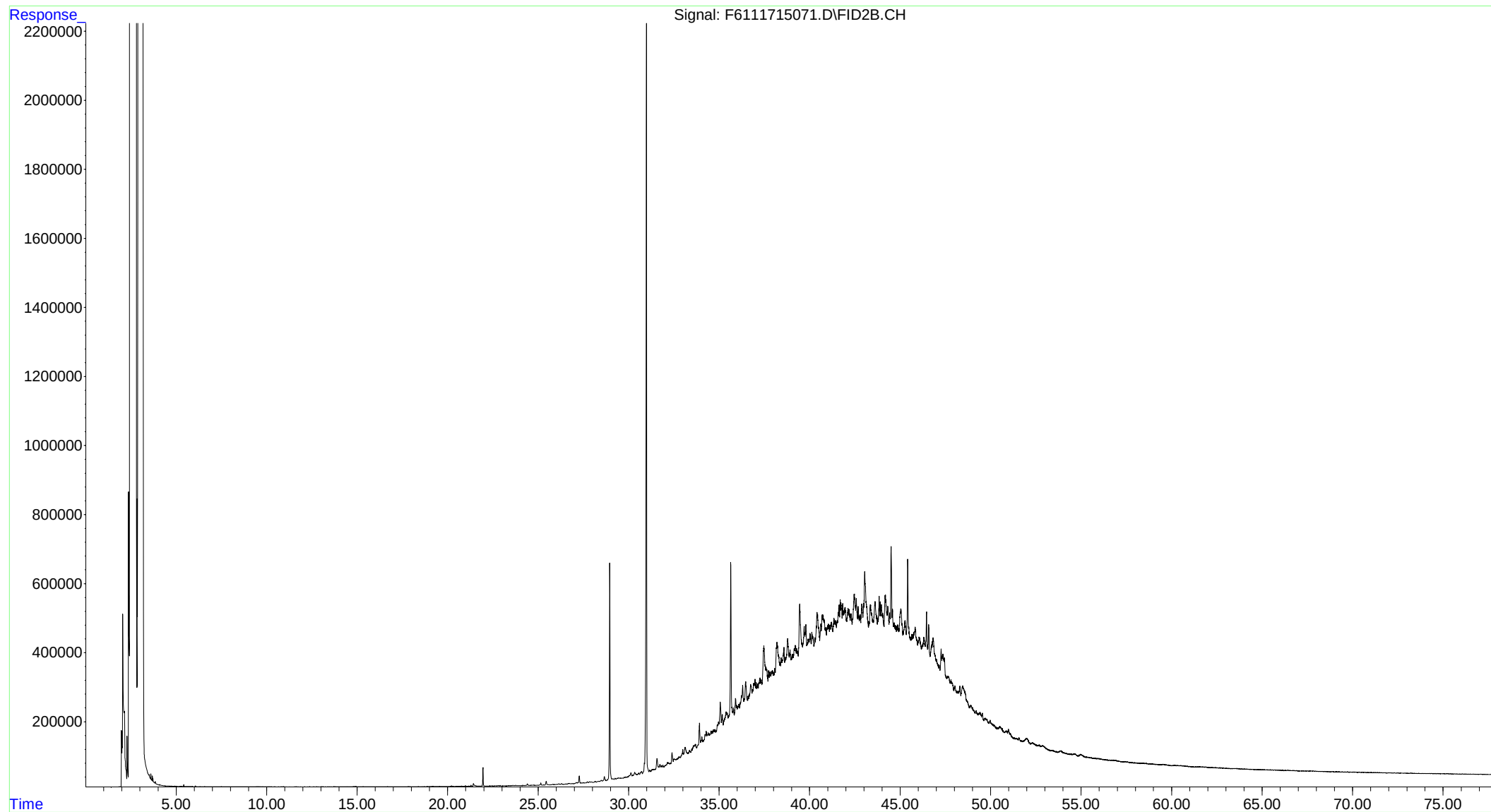
1

12-17-15 1917

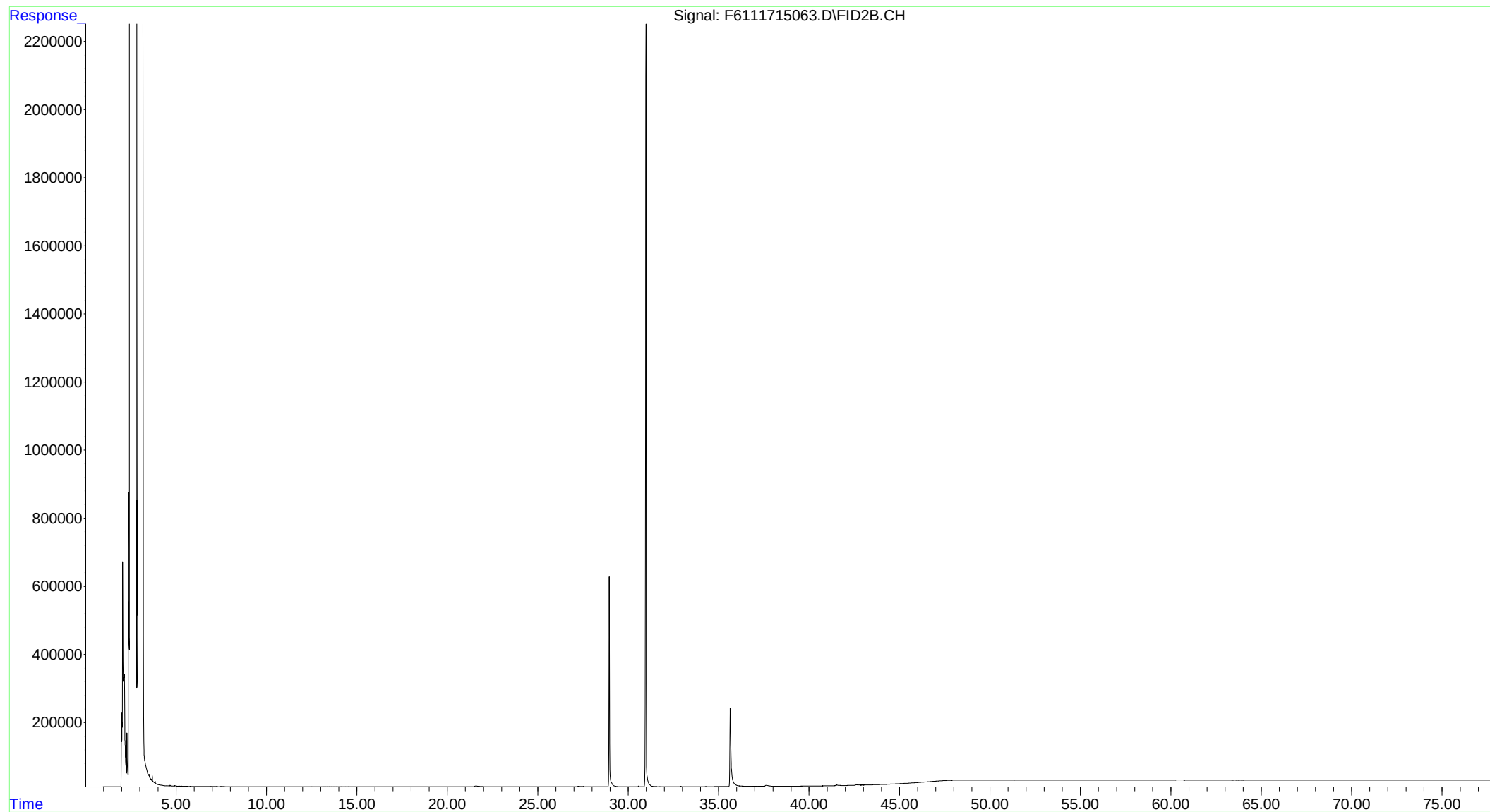
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GC-FID Chromatogram

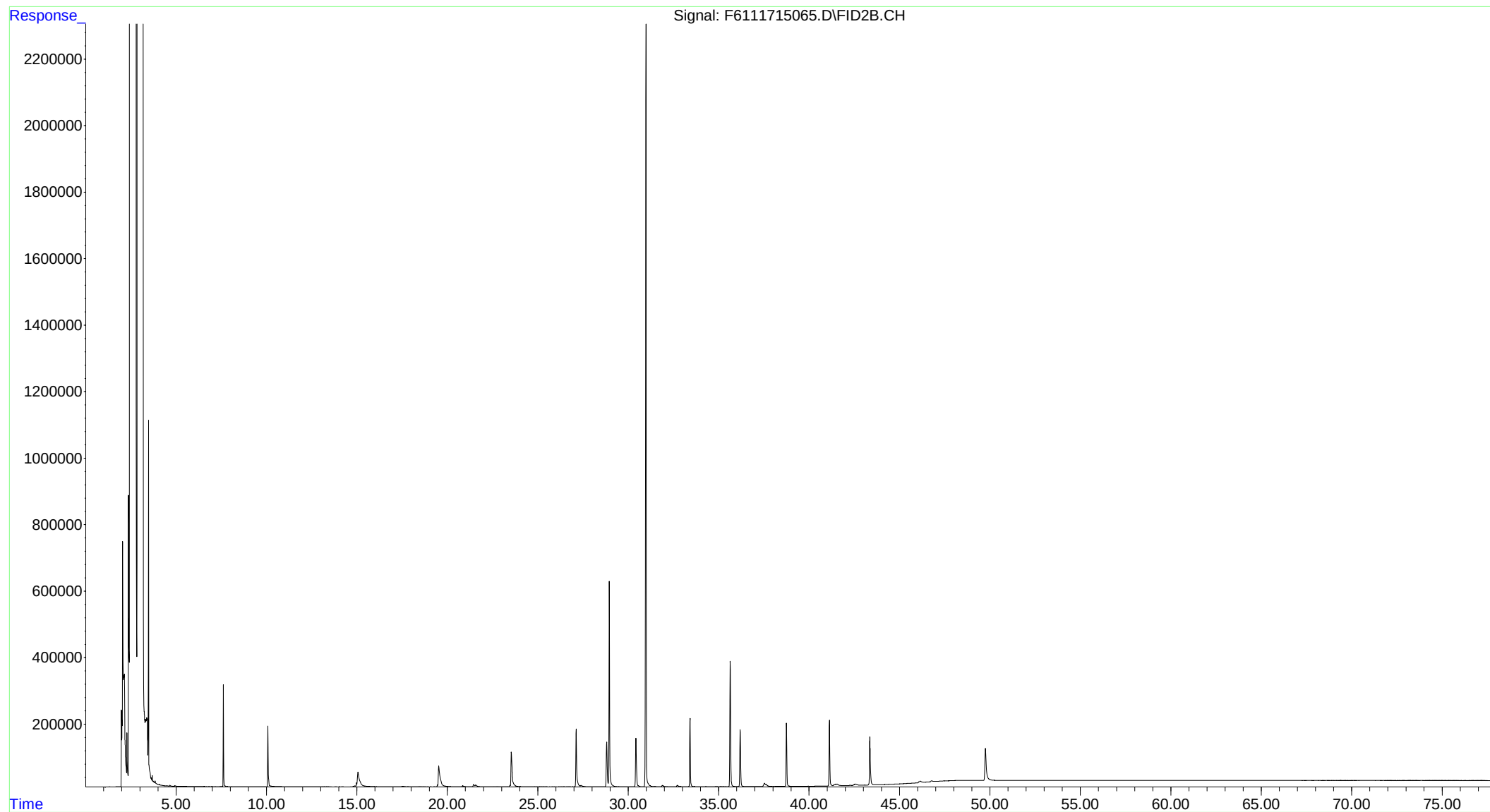
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Acquired : 19 Nov 2015 6:03 pm using AcqMethod FID6A.M
Instrument : FID6
Sample : L1530155-01
Misc Info : WG842553,WG842273,ICAL11472
ALS Vial : 80



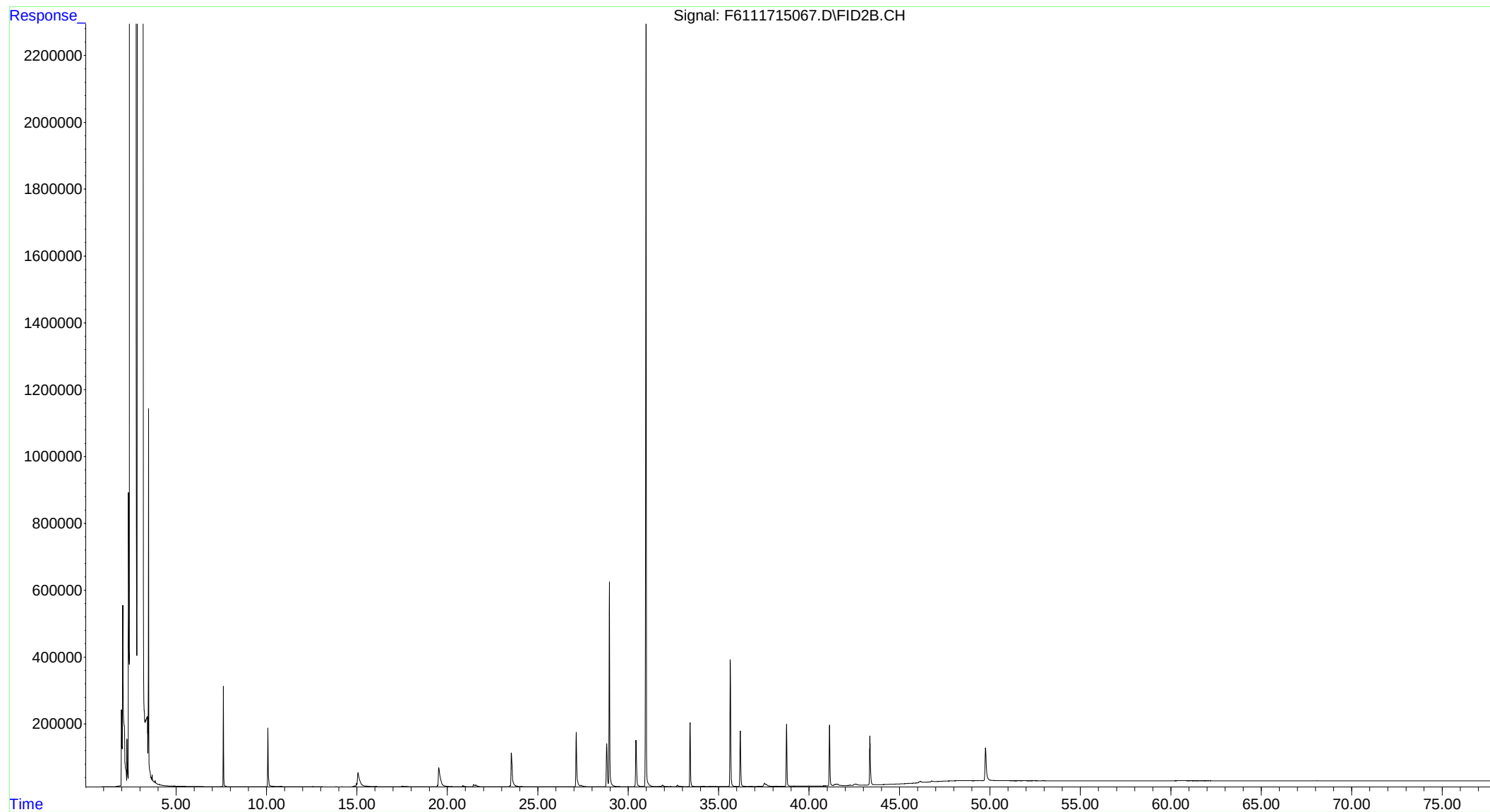
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Acquired : 19 Nov 2015 10:30 am using AcqMethod FID6A.M
Instrument : FID6
Sample : WG842273-1
Misc Info : WG842553, WG842273, ICAL11472
ALS Vial : 76



File :0:\Forensics\Data\FID6\2015\Nov\NOV17.SEC\F6111715065.D
Operator : FID6:NL
Acquired : 19 Nov 2015 12:00 pm using AcqMethod FID6A.M
Instrument : FID6
Sample : WG842273-2
Misc Info : WG842553, WG842273, ICAL11472
ALS Vial : 77



File :0:\Forensics\Data\FID6\2015\Nov\NOV17.SEC\F6111715067.D
Operator : FID6:NL
Acquired : 19 Nov 2015 1:41 pm using AcqMethod FID6A.M
Instrument : FID6
Sample : WG842273-3
Misc Info : WG842553, WG842273, ICAL11472
ALS Vial : 78



Petroleum Reference Standards

Data Path : O:\Forensics\Data\FID6\2015\Nov\NOV17.SEC\
 Data File : F6111715057.D
 Signal(s) : FID2B.CH
 Acq On : 19 Nov 2015 6:02 am
 Operator : FID6:NLJr
 Sample : Alkane Reference Standard (C8 - C40)
 Misc : WG842553, FRAW35 50ug/mL
 ALS Vial : 73 Sample Multiplier: 1

Integration File: SHCINT2.E
 Quant Time: Nov 19 20:28:15 2015
 Quant Method : O:\Forensics\Data\FID6\2015\Nov\NOV17.SEC\HC6090415R.M
 Quant Title : FID Forensics
 QLast Update : Thu Nov 19 19:45:29 2015
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0
 Signal Phase : Rtx-5MS
 Signal Info : 0.25mm

Sub List : CCAL - CCAL

Compound				R.T.	Response	Conc Units	

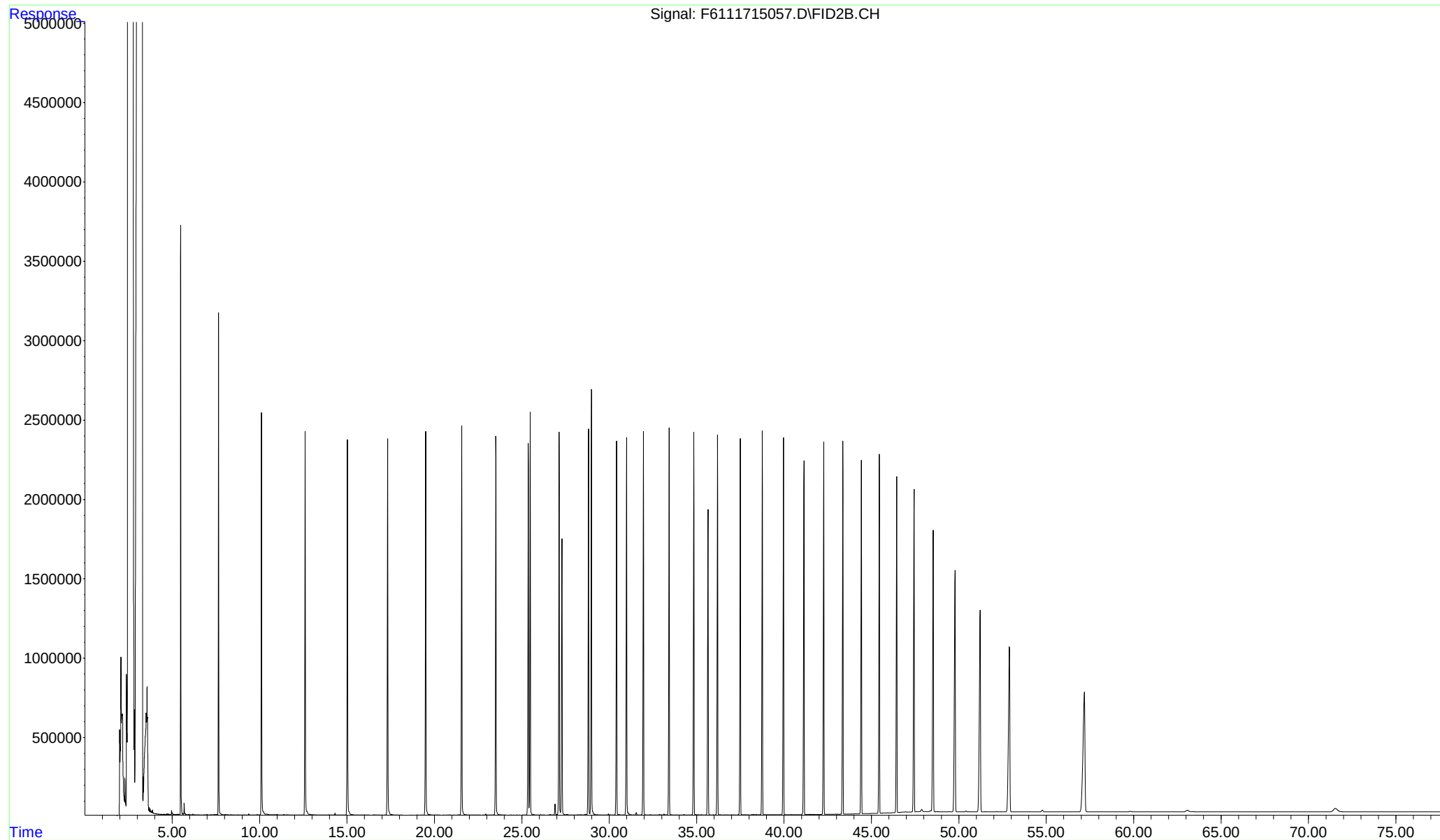
Internal Standards							
1) I	5-alpha-androstane			30.991	55650778	50.000 ug/mL	M4
System Monitoring Compounds							
19) s	ortho-terphenyl			28.980	60570748	49.201 ug/mL	M4
Spiked Amount	50.000	Range	50 - 130	Recovery	=	98.40%	
24) s	d50-Tetracosane			35.650	51260752	51.579 ug/mL	M4
Spiked Amount	50.000	Range	50 - 130	Recovery	=	103.16%	
Target Compounds							
2) t	n-Octane (C8)			5.481	45375465	53.264 ug/mL	M4
3) t	n-Nonane (C9)			7.646	47905255	52.720 ug/mL	M4
4) t	n-Decane (C10)			10.102	48554577	50.090 ug/mL	M4
5) t	n-Undecane (C11)			12.601	50151926	50.283 ug/mL	M4
6) t	n-Dodecane (C12)			15.019	52155817	50.951 ug/mL	M4
7) t	n-Tridecane (C13)			17.320	52426626	50.632 ug/mL	M4
9) t	n-Tetradecane (C14)			19.498	53155767	50.568 ug/mL	M4
11) t	n-Pentadecane (C15)			21.560	54098787	50.495 ug/mL	M4
12) t	n-Hexadecane (C16)			23.513	54184866	50.735 ug/mL	M4
14) t	n-Heptadecane (C17)			25.370	53899431	50.028 ug/mL	M4
15) t	Pristane			25.477	55304792	51.059 ug/mL	M4
16) t	n-Octadecane (C18)			27.132	55380535	50.615 ug/mL	M4
17) t	Phytane			27.294	48369914	50.729 ug/mL	M4
18) t	n-Nonadecane (C19)			28.814	54769402	50.456 ug/mL	M4
20) t	n-Eicosane (C20)			30.419	54664336	50.515 ug/mL	M4
21) t	n-Heneicosane (C21)			31.955	55074450	50.566 ug/mL	M4
22) t	n-Docosane (C22)			33.427	55567495	50.651 ug/mL	M4
23) t	n-Tricosane (C23)			34.839	56034897	50.628 ug/mL	M4
25) t	n-Tetracosane (C24)			36.196	56173603	50.384 ug/mL	M4
26) t	n-Pentacosane (C25)			37.499	55728091	50.518 ug/mL	M4
27) t	n-Hexacosane (C26)			38.755	56934245	50.356 ug/mL	M4
28) t	n-Heptacosane (C27)			39.970	56382985	50.217 ug/mL	M4
29) t	n-Octacosane (C28)			41.140	56306641	50.167 ug/mL	M4
30) t	n-Nonacosane (C29)			42.271	56569070	49.829 ug/mL	M4
31) t	n-Triacontane (C30)			43.366	56722920	49.634 ug/mL	M4
32) t	n-Hentriacontane (C31)			44.421	56957114	49.412 ug/mL	M4
33) t	n-Dotriacontane (C32)			45.452	57517115	49.312 ug/mL	M4
34) t	n-Tritriacontane (C33)			46.446	54576934	49.375 ug/mL	M4
35) t	n-tetratriacontane (C34)			47.438	57222541	49.541 ug/mL	M4
36) t	n-Pentatriacontane (C35)			48.532	57567439	49.467 ug/mL	M4
37) t	n-Hexatriacontane (C36)			49.781	59250450	49.698 ug/mL	M4
38) t	n-Heptatriacontane (C37)			51.216	57838951	49.359 ug/mL	M4
39) t	n-Octatriacontane (C38)			52.886	56626547	49.896 ug/mL	M4
41) t	n-Tetracontane (C40)			57.181	58547689	50.067 ug/mL	M4

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : 0:\Forensics\Data\FID6\2015\Nov\NOV17.SEC\
Data File : F6111715057.D
Operator : FID6:NLJr
Acquired : 19 Nov 2015 6:02 am using AcqMethod FID6A.M
Instrument: FID6
Sample : Alkane Reference Standard (C8 - C40)
Misc Info : WG842553, FRAW35 50ug/mL
ALS Vial : 73



File :0:\Forensics\LIBRARY\Hydrocarbon Reference Standards\SAE 50W
... .D
Operator : PAH2:AC
Instrument : PAH 2
Acquired : 19 Nov 2011 2:34 am using AcqMethod FRNC2AF.M
Sample : SAE 50W Motor Oil
Misc Info : 1X

