LCS INC.
Environmental and Real Estate Consultants

Limited and Focused Geophysical Survey and Limited and Focused Subsurface Investigation Report for the Property Identified as:

Lakeside Village
(Hinchey Properties, LLC)
65-67 Lake Avenue
Lancaster, New York 14086

LCS PROJECT # 18S3267.22

MAY 15, 2018

LCS INC.
Environmental and Real Estate Consultants

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May 15, 2018

Mr. Mark Aquino
32 Central Avenue
Lancaster, New York

Re: Limited and Focused Geophysical Survey and
Limited and Focused Subsurface Investigation
Lakeside Village (Hinchey Properties, LLC)
65-67 Lake Avenue
Lancaster, New York 14086
LCS Project No. 18S3267.22 (Related to 18S1605.24)

Dear Mr. Aquino:

Background
At your request, Lender Consulting Services, Inc. (LCS) performed a limited and focused geophysical survey as well as a limited and focused subsurface investigation, at the Lakeside Village (Hinchey Properties, LLC), located at Lakeside Village (Hinchey Properties, LLC) (See Figure 1). The subject property measures approximately 1.21 acre and is developed with the following structures:

- Building A: two-story 5,600 square foot townhome structure constructed in 2006
- Building B: two-story 8,400 square foot townhome structure constructed in 2006
- Building C: two-story 8,560 square foot townhome structure constructed in 2006
- Building D: two-story 3,024 square foot 4-unit apartment structure constructed in 1903.

The subject property is located in a moderately developed residential area. The topography of the site is generally level at grade. Groundwater is suspected to flow to the southwest.

This investigation was recommended based on the information gathered by LCS during a Transaction Screen Environmental Site Assessment Report for the above-referenced property, dated March 21, 2018. Through that report, the following potential environmental conditions (PECs) were identified warranting intrusive study at that time.

- The eastern portion of the subject property was utilized as a dry cleaner from at least 1949 through circa 1980. It should be noted that Lake Side Laundry steam laundry was identified on-site in a 1911 Sanborn map; as such, the potential exists for a longer duration of dry cleaning operations.
- According municipal records reviewed as part of a 2005 previous study, one tank identified as "TN4 1000 (size)" was installed on-site in 1958; it is likely that this tank would have been located on the eastern portion of the subject property based upon the nature of historic development.
- LCS completed a limited subsurface investigation in 2005 to assess on-site conditions. At the request of LCS' client at that time (current property owner) this investigation was limited to the collection of soil samples from excavations associated with development of the existing townhome structures.

Introduction
The purpose of this study was to attempt to verify the location of the historic tank. Additionally, the study was intended to further evaluate the environmental quality of on-site soils and groundwater in accessible locations of the subject property due to the environmental concerns identified above. Soil samples were collected for stratigraphic characterization and field monitoring. Temporary groundwater monitoring wells (TPMWs) were installed within select test borings where groundwater was encountered. Select soil and groundwater samples were submitted for laboratory analysis to supplement field observations.

The work conducted was completed in general accordance with LCS' April 13, 2018 proposal to Mr. Mark Aquino. The following is a summary of the methods and results of the investigation.

Methods of Investigation

Limited and Focused Geophysical Survey
On April 23, 2018, LCS coordinated a limited and focused geophysical survey in an effort to better determine if historic underground storage tanks (UST) system(s) or evidence of a tank grave could be identified (Figure 2). This work also served to reduce the possibility of damaging an underground utility during the intrusive investigation. Prior to collection of soil/fill samples, select areas were surveyed using a combination of ground penetrating radar (GPR), and utility tracing instruments.

Limited and Focused Subsurface Investigation

Soil
Soil samples were collected on May 1, 2018, with a track-mounted percussion and hydraulically driven drive system equipped with an approximate 2-inch diameter, approximate 48-inch long macro-core sampler. Soil samples were collected within each test boring continuously from the ground surface until refusal, a depth of between approximately 16 and 16.5 feet below the ground surface (ft. bgs). Any downhole equipment was decontaminated with an Alconox and tap water wash and tap water rinse between test borings. The cutting shoes were decontaminated in a similar manner between collection of each sample.

The physical characteristics of all soil samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method) as a guide and placed in separate sealable containers to allow any vapors to accumulate in the headspace. After several minutes, the container was opened slightly and total volatile organic compound (VOC) concentrations in air within the sample container were measured using a photoionization detector (PID). (The PID is designed to detect VOCs, such as those associated with petroleum and some solvents.) Based on the field observations and/or screening results, soils were selected for analysis (see below).

Groundwater
Temporary groundwater monitoring wells TPMW1 through TPMW4 were installed within test borings BH1, BH4, BH5 and BH6, respectively. Generally, the bottoms of the wells were set to approximately 16 ft. bgs. Each of the wells were constructed with one-inch diameter PVC screen and riser with a silica filter pack placed around the well screen. A bentonite seal was placed above the sand. Refer to the attached subsurface logs/well construction details for well specific well construction details. All wells were removed following sampling.

The groundwater samples from temporary groundwater monitoring wells TPMW1 through TPMW4 were collected on May 1, 2018. Prior to sample collection, each well was developed by removing three to five well volumes from the well. New disposable dedicated PVC bailers were used for well development and sample collection activities.

Sample Analysis
Following labeling of the laboratory-supplied sample containers, selected samples were placed on ice. The samples were then submitted, under standard chain-of-custody, to a New York State Department of Health (NYSDOH) approved laboratory for analysis in accordance with the United States Environmental Protection agency (USEPA) SW-846 Methods as summarized below. The analytical methods were chosen based on LCS' experience with sites of similar use.

The following table summarizes the specific analytical testing performed and their respective sample locations.

Sample Location	Analytical Testing Performed	Potential Environmental Condition
Soil		
BH1 (4-6 ft. bgs)	TCL+ CP-51 VOCs and CP-51 SVOCs	Historic Dry cleaning and Historic Tank
BH4 (4-6 ft. bgs)		
BH4 (8-10 ft. bgs)		
BH5 (10-12 ft. bgs)		
BH6 (12-14 ft. bgs)		
Water		
TPMW1	TCL+ CP-51 VOCs and CP-51 SVOCs	Historic Dry cleaning and Historic Tank
TPMW2		
TPMW3		
TPMW4		

ft. bgs = feet below ground surface
TCL+CP-51 VOCs = Target Compound and Commissioner Policy List volatile organic compounds via USEPA Test Method 8260
CP-51 SVOCs = Commissioner Policy List semi-volatile organic compounds via USEPA Test Method 8270

Results of Field Investigation

Limited and Focused Geophysical Survey
Based on the geophysical survey, no anomalies associated with USTs were identified. Areas of disturbed soils proximate the former dry cleaning structure were identified but not suspected to be associated with former USTs. GPR penetration depths were limited to approximately three to three and a half feet on average throughout the site. Sewer, electric and natural gas were also identified during the survey.

Limited and Focused Intrusive Investigation
Seven test borings (BH1 through BH7) were completed in accessible areas of the subject property. (See Figure 2.) A total of 39 soil samples were collected for geologic description. Fill material consisting of asphalt, gravel, clay and sand, was noted within test borings BH1 through BH7 to a maximum depth of approximately 5.5 ft. bgs. Generally, the native soils encountered consisted of varying mixtures of gravel, sand, and clay to the bottom of the test borings. Apparent groundwater was encountered in BH1, BH4, BH5 and BH6 between approximately 9.5 and 10 ft. bgs.

Equipment refusal was encountered within all test borings between approximately 5.5 and 16.5 ft. bgs. The cause of the equipment refusal could not be determined; however, is suspected to be due to shallow bedrock.

PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in most soil samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 6.1 ppm (BH4, ~4-6 ft. bgs). No suspect petroleum or solvent-type odors or staining were noted within any of the soil samples collected. As such, the field observations do not suggest the obvious presence of chemical impact proximate to the areas investigated.

Refer to the attached subsurface logs for soil classification for each sample interval, field observations and PID measurements.

Investigation Analytical Results

The soil and groundwater samples collected and analyzed detected the following analytes. The respective concentrations as well as commonly-applied regulatory guidance values are also listed for comparison. Analytes not detected are not shown.

SOIL TESTING RESULTS

VOCs by USEPA SW-846 Method 8260

Sample ID	**BH1**	**BH4**	**BH4**	**BH5**	**BH6**	**CP-51 Soil Cleanup Levels**	**Part 375 (Unrestricted) Soil Cleanup Objectives**	**Part 375 (Residential) Soil Cleanup Objectives**	**Part 375 (Residential Restricted) Soil Cleanup Objectives**
Date Sampled	**5/1/2018**	**5/1/2018**	**5/1/2018**	**5/1/2018**	**5/1/2018**				
Sample Depth	**4-6 ft. bgs**	**4-6 ft. bgs**	**8-10 ft. bgs**	**10-12 ft. bgs**	**12-14 ft. bgs**				
Units	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**
Vinyl chloride	3.6	2.54 J	<0.887	0.998 J	<0.91	NL	20	210	900
Acetone	<136	417	44.7	<16.6	18.3 J	NL	50	100,000	100,000
Cyclohexane	1.24 J	<0.639	6.66	0.792 J	<0.676	NL	NL	NL	NL
Methyl Cyclohexane	<1.27	<1.3	<1.32	2.27 J	<1.37	NL	NL	NL	NL
Methyl Acetate	40.8 J	19.2	20.6	10.7	21.1	NL	NL	NL	NL
trans-1,2-Dichloroethene	3.07 J	<1.8	<1.84	<1.73	<1.9	NL	190	100,000	100,000
1,1- Dichloroethane	3.47	1.5 J	<0.642	<0.604	<0.666	NL	270	19,000	26,000
2- Butanone	18.6 J	<15.7	<16	<15.1	<16.6	NL	120	100,000	100,000
Cis-1,2- Dichloroethene	2,690	733	7.28	1.64 J	2.03 J	NL	250	59,000	100,000
Benzene	0.975 J	2.44	2.47	<0.483	0.864 J	60	60	2,900	4,800
Trichloroethene	8,260	241	6.68	2.44	1.19 J	NL	470	10,000	21,000
Toluene	2.05 J	5.6 J	4.52 J	<1.51	<1.66	700	700	100,000	100,000
Tetrachloroethene	**13,000**	118	20.4	110	2.71 J	NL	1,300	5,500	19,000
Ethylbenzene	<0.653	3.67	5.02	<0.641	<0.705	1,000	1,000	30,000	41,000
m,p- Xylene	<1.85	5.5	5.08 J	<1.81	<2	260*	260*	100,000*	100,000*
o-Xylene	<1.23	1.32 J	1.95 J	<1.21	<1.33	260*	260*	100,000*	100,000*
Isopropylbenzene	<1.06	<1.09	1.79 J	<1.04	<1.15	2,300	NL	NL	NL
Methyl tert-butyl ether	1.03 J	0.898 J	0.893 J	0.905 J	1.21 J	930	930	62,000	100,000
n-Propylbenzene	<1.45	2.64 J	4.72 J	<1.43	<1.56	3,900	3,900	100,000	100,000
1,2,4- Trimethylbenzene	<1.43	2.4 J	2.22 J	<1.4	<1.54	3,600	3,600	47,000	52,000

µg/kg = micrograms per kilogram
ft. bgs = feet below ground surface
NL = Not Listed
J = Indicates an estimated value
Part 375 Soil Cleanup Objectives = New York State Department of Environmental Conservation 6 NYCRR Part 375 Environmental Remediation Programs, December 14, 2006 (375-6.8, Soil Cleanup Objective Tables)
*= Based on the sum of the Total Xylenes.
= Analyte that is detected above the Part 375 (Unrestricted) Soil Cleanup Objectives.
Bold = Analyte detected above Part 375 (Residential) Soil Cleanup Objectives.

SVOCs by USEPA SW-846 Method 8270

Sample ID	BH1	BH4	BH4	BH5	BH6	CP-51 Soil Cleanup Levels	Part 375 (Unrestricted) Soil Cleanup Objectives	Part 375 (Residential) Soil Cleanup Objectives	Part 375 (Residential Restricted) Soil Cleanup Objectives
Date Sampled	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018				
Sample Depth	4-6 ft. bgs	4-6 ft. bgs	8-10 ft. bgs	10-12 ft. bgs	12-14 ft. bgs				
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Naphthalene	<6.32	247	<6.59	<6.2	<5.99	12,000	12,000	100,000	100,000
Acenaphthylene	<9.26	69.8	<9.64	<9.08	<8.77	100,000	100,000	100,000	100,000
Acenaphthene	<9.09	68.9	<9.46	<8.91	<8.61	20,000	20,000	100,000	100,000
Fluorene	<8.86	126	<9.23	<8.69	<8.4	30,000	30,000	100,000	100,000
Phenanthrene	69.3	808	26.1 J	78.7	<8.29	100,000	100,000	100,000	100,000
Anthracene	13.8 J	216	20.6 J	13.1 J	<8.5	100,000	100,000	100,000	100,000
Fluoranthene	90.1	1,300	93.8	164	<8.27	100,000	100,000	100,000	100,000
Pyrene	67.5	882	85.3	113	<9.06	100,000	100,000	100,000	100,000
Benzo(a)anthracene	22.0 J	475	29.3 J	33.2 J	<5	1,000	1,000	1,000	1,000
Chrysene	45.6	634	51.8	48.9	<9.17	1,000	1,000	1,000	3,900
Benzo(b)fluoranthene	32.6 J	739	43.5	44.1	<8.12	1,000	1,000	1,000	1,000
Benzo(k)fluoranthene	11.7 J	212	16.0 J	16.5 J	<5.91	800	800	1,000	3,900
Benzo(a)pyrene	18.9 J	506	27.5 J	27.9 J	<5.86	1,000	1,000	1,000	1,000
Indeno (1,2,3-cd) pyrene	14.6 J	375	17.0 J	19.7 J	<6.55	500	500	500	500
Dibenzo(a,h)anthracene	<7.29	61.7	<7.59	<7.14	<6.9	330	330	330	330
Benzo(g,h,i)perylene	22.8 J	440	23.2 J	29.3 J	<8.42	100,000	100,000	100,000	100,000

µg/kg = micrograms per kilogram
ft. bgs = feet below ground surface
NL = Not Listed
J = Indicates an estimated value.
Part 375 Soil Cleanup Objectives = New York State Department of Environmental Conservation 6 NYCRR Part 375 Environmental Remediation Programs, December 14, 2006 (375-6.8, Soil Cleanup Objective Tables)
CP-51 Soil Cleanup Levels = CP-51 Soil Cleanup Guidance October 21, 2010 (Table 3, Soil Cleanup Levels for Fuel Oil Contaminated Soil)

GROUNDWATER TESTING RESULTS

VOC by USEPA-846 Method 8260

Sample ID	TPMW1	TPMW2	TPMW3	TPMW4	NYSDEC Groundwater Criteria (Class GA)
Date Sampled	5/11/2018	5/11/2018	5/11/2018	5/11/2018	
Units	µg/L	µg/L	µg/L	µg/L	µg/L
Cis-1,2-Dichloroethene	168	6.76	11.2	<0.26	5
Vinyl chloride	0.666 J	10.7	<2.59	<0.259	2
Trans-1,2- Dichloroethene	3.85	<0.792	<3.96	<0.396	5
Chloroform	0.742 J	<0.648	<3.24	<0.324	7
Cyclohexane	<0.39	3.31	<3.9	<0.39	NL
Benzene	<0.331	<0.662	19.5	<0.331	1
Toluene	<0.412	<0.824	40.8	<0.412	5
1,2,4- Trimethylbenzene	<0.373	<0.746	5.3 J	<0.373	5
Trichloroethene	72.8	<0.796	<3.98	<0.398	5
Tetrachloroethene	1,860	4.45	116	<0.372	5
m,p- Xylene	<0.719	<1.44	20.3	<0.719	5
o-Xylene	<0.341	<0.682	8.82 J	<0.341	5

µg/L = micrograms per liter
NL = Not Listed
J = Indicates an estimated value.
NYSDEC Groundwater Criteria (Class GA) = 6 NYCRR Part 703 (June 1998 and April 2000 Addendum)
= Analyte detected above the NYSDEC Groundwater Criteria.

SVOCs by USEPA-846 Method 8270

Sample ID	TPMW1	TPMW2	TPMW3	TPMW4	NYSDEC Groundwater Criteria (Class GA)
Date Sampled	5/11/2018	5/11/2018	5/11/2018	5/11/2018	
Units	µg/L	µg/L	µg/L	µg/L	µg/l
Naphthalene	<0.033	0.0672 J	<0.0594	<0.0496	10
Phenanthrene	<0.406	<0.523	0.855 J	<0.611	50
Fluoranthene	<0.344	0.655 J	1.71 J	<0.518	50
Pyrene	<0.366	0.476 J	1.08 J	<0.551	50
Benzo(a)anthracene	<0.108	0.200 J	0.400 J	<0.163	0.002
Benzo(b)fluoranthene	<0.0994	0.132 J	0.416 J	<0.15	0.002

µg/l = micrograms per liter
NL = Not Listed
J = Indicates an estimated value.
* = Applies to the sum of all phenolic compounds (total phenols)
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NYSDEC Groundwater Criteria (Class GA) = 6 NYCRR Part 703 (June 1998 and April 2000 Addendum)
= Analyte detected above the NYSDEC Groundwater Criteria.

Conclusions

The purpose of this study was to assess the potential environmental condition identified in the March 21, 2018, Transaction Screen Environmental Site Assessment [specifically, one former tank (presumed UST) and the historic use of the subject property as a dry cleaner]. Select soil and groundwater samples were collected from the areas of the potential environmental condition.

Limited and Focused Geophysical Survey

Based on the geophysical survey, no anomalies associated with USTs or a tank grave were identified. Areas of disturbed soils proximate the former dry cleaning structure were identified but not suspected to be associated with former USTs. GPR penetration depths were limited to approximately three to three and a half feet on average throughout the site. Sewer, electric and natural gas were also identified during the survey.

Intrusive Investigation

Field Observations

PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in most soil samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 6.1 ppm (BH4, ~4-6 ft. bgs). No suspect petroleum or solvent-type odors or staining were noted within any of the soil samples collected. As such, the field observations do not suggest the obvious presence of chemical impact proximate to the areas investigated.

Laboratory Test Results

Laboratory results were compared with the New York State Department of Environmental Conservation (NYSDEC) Part 375 Soil Cleanup Objectives (SCOs). The SCOs are employed at sites undergoing investigation and remediation through state programs (i.e., Brownfield Cleanup Program, State Superfund Program). For sites which will have their uses formally restricted (i.e., residential, commercial, industrial) documentation that soil/fill meets the criteria set forth by the SCOs for residential through industrial use are generally acceptable when institutional and/or engineering controls are in place (i.e., environmental easement, deed restriction, soil caps, etc.). The SCOs are commonly utilized for guidance purposes in due diligence investigations for real estate transactions.

SOIL

VOLATILE ORGANIC COMPOUNDS

Four VOCs were detected at concentrations above the Soil Cleanup Levels Part 375 SCOs for Unrestricted Use in two of the five samples collected and submitted for VOCs analysis. The following VOCs were detected in these samples at concentrations above the SCOs for Unrestricted Use:

- Acetone and Cis-1,2- Dichloroethene in BH4
- Cis-1,2- Dichloroethene, Trichloroethene and Tetrachloroethene in BH1

Tetrachloroethene was also detected above the SCOs for Residential Use in BH1. None of the VOCs detected were detected at concentrations above Restricted Residential Use criteria (i.e., apartment style developments).

SEMI-VOLATILE ORGANIC COMPOUNDS

No SVOCs were detected at concentrations above the SCOs for Unrestricted Use criteria.

GROUNDWATER

VOLATILE ORGANIC COMPOUNDS
Nine VOCs were detected at concentrations above the NYSDEC Groundwater Criteria (Class GA) in three of the four samples collected and submitted for VOCs analysis. The following VOCs were detected in these samples at concentrations above Groundwater Criteria (Class GA):

- Cis-1,2-Dichloroethene, Trichloroethene and Tetrachloroethene in TPMW1
- Cis-1,2-Dichloroethene and Vinyl chloride in TPMW2
- Cis-1,2-Dichloroethene, Benzene, Toluene, 1,2,4- Trimethylbenzene, Tetrachloroethene, m,p- Xylene and o-Xylene in TPMW3

SEMI-VOLATILE ORGANIC COMPOUNDS
Two SVOCs were detected at concentrations above the NYSDEC Groundwater Criteria (Class GA) in two of the four samples collected and submitted for SVOCs analysis. The following SVOCs were detected in these samples at concentrations above Groundwater Criteria (Class GA): Benzo(a)anthracene and Benzo(b)fluoranthene in TPMW2 and TPMW3. The detections were noted by the laboratory as estimated.

Recommendations

The client should consult environmental legal counsel with regard to potential regulatory reporting requirements. Testing of on-site structures for impact to indoor air quality (vapor intrusion) is recommended. If impact to indoor air is identified, installation of vapor mitigation systems may be warranted. Additionally, further delineation of impacted soil and groundwater is recommended. Following delineation, remediation will likely also be recommended.

Thank you for allowing LCS to service your environmental needs. If you have any questions or require additional information, please do not hesitate to call our office.

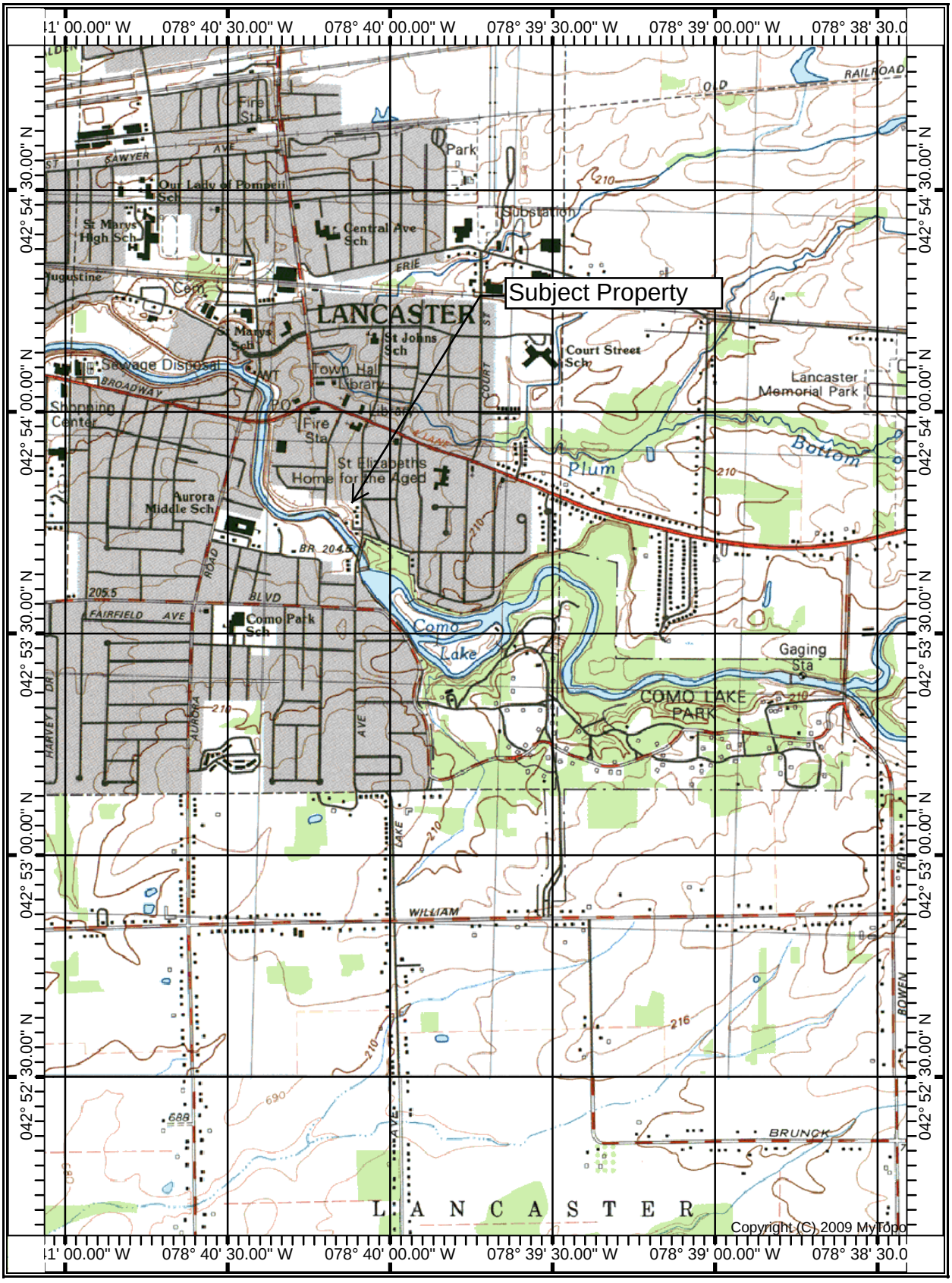
Sincerely,

Brandon Stau
Environmental Analyst/ Project Manager

Reviewed by:

Douglas B. Reid
Sr. VP, Environmental Services

SITE LOCATION MAP



SCALE 1:24000

0 1000 2000 3000 4000 5000 6000 7000

FEET

Lancaster 1982

SUBSURFACE INVESTIGATION MAP

Drawn by: BMS

Checked by: DBR

30 60

Approximate Scale in Feet

LCS Project # 18S3267.22

FIGURE 2 - SITE INVESTIGATION PLAN

65-67 Lake Avenue
Lancaster, New York

LCS INC.

GEOPHYSICAL REPORT

GROUND PENETRATING RADAR SYSTEMS, INC.

EXPERTS IN GPR

Monday, May 14, 2018

Lender Consulting Services
Attn: Brandon Stau
Site: 65-67 Lake Avenue, Lancaster, NY

Re: GPR Investigation for Underground Utilities and UST's

We appreciate the opportunity to provide this report for our work completed on 4/23/18.

PURPOSE

The purpose of this project was to search for underground anomalies, including utilities, and UST related items. We were asked to search the eastern portion of the parking area for UST's and utilities, as well as clearing (6) proposed soil boring location. Our inspection was conducted within the boundaries depicted on the following site sketch.

EQUIPMENT

- **Ground Penetrating Radar (GPR), Manufacturer: GSSI, Model: SIR-3000 processing unit with 400 MHz antenna.** GPR works by sending pulses of energy into a material and recording the strength and the time required for the return of the reflected signal. Reflections are produced when the energy pulses enter into a material with different electrical properties from the material it left. The strength of the reflection is determined by the contrast in signal speed between the two materials. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the conductivity of the materials. For more information, please visit: http://www.geophysical.com/Documentation/Brochures/GSSI-UtilityScanBrochure.pdf

- **RD7000 pipe locator, Manufacturer: Radiodetection.** The RD7000 can detect the electromagnetic fields from live power or radio frequency signals. It can also be used in conjunction with a trasmitter to connect directly to accessible, metallic pipes, risers, or tracer wires. A tone is sent through the pipe or tracer wire at a specific frequency which can then be detected by the receiver. For more information, please visit: http://www.spx.com/en/radiodetection/pd-rd7000/

PROCESS

Our process began with using the RD7000 to locate pipes or utilities throughout the scan area. We first swept all areas with the receiver to detect live power or radio frequency signals followed by connecting to any visible risers or tracer wires that were in the area provided that there was an exposed metallic surface. Locations and depths were painted or flagged on the surface. Depths cannot always be provided depending on the location method and can be prone to error.

Initial GPR scans were then collected in order to evaluate the data and calibrate the equipment. Based on these findings, a survey strategy is formed, typically consisting of scanning the entire area in a grid with 3'-5' scan spacing in order to locate any potential utilities, UST's, etc. that were not found with RD. The GPR data is interpreted in real time and anomalies in the data are located and marked on the surface along with their depths using spray paint, pin flags, etc. Depths are dependent on the dielectric of the materials being scanned so depth accuracy can vary throughout a site.

Jim Bell • Project Manager | Upstate New York: (315)715-5137
Jim.Bell@gprsinc.com • www.gprsinc.com
Corporate Headquarters: 7540 New West Rd., Toledo, OH 43617. EIN #: 31-1803412

LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above ground features, and utilization of services such as Dig Alert/Underground Service Alert.

At this site, our penetration depths were limited to 3'-3.5' on average throughout the area. Also, as on all projects, we could not see anomalies closer than, and running parallel to any above ground obstructions (walls, cars, piles of snow, etc.).

FINDINGS:

After scanning all areas we were able to locate numerous pipes on the site. These lines will be depicted in the following site sketches. In regards to UST's, no USTs were discovered but areas of disturbed soil were identified.

The color code for the lines found are as follows: red-electric, yellow-gas, green-sewer, orange-communications, pink-unknown type, white circles- proposed boring locations, pink boxes- disturbed soil.

The following page will further explain the findings.

CLOSING

Ground Penetrating Radar Systems, Inc. has been in business for over 15 years, specializing in underground storage tank location, concrete scanning, utility locating, as well as shallow void detection throughout the US and Canada. I encourage you to visit our website (www.gp-radar.com) and contact any of the numerous references listed.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this GPR Investigation.

Signed,

James R. Bell

Jim Bell
Project Manager- Upstate New York
GPRS GROUND PENETRATING RADAR SYSTEMS, INC.
EXPERTS IN GPR
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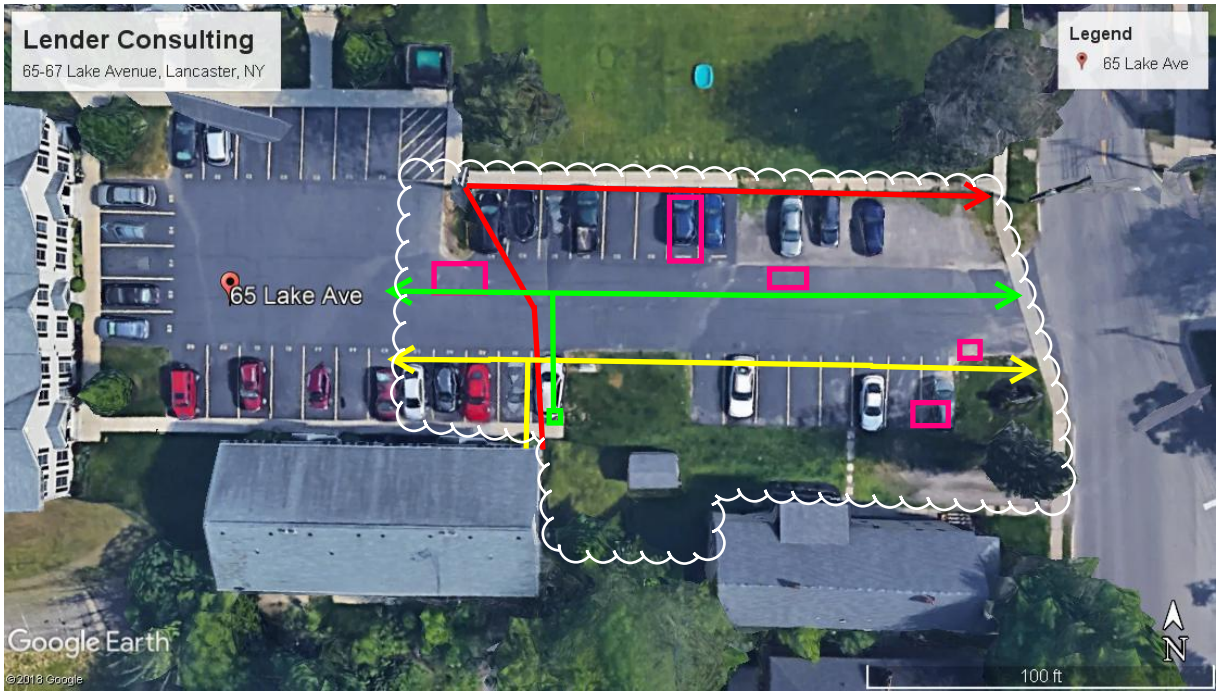
jim.bell@gp-radar.com
www.gp-radar.com



Site Sketch: Findings	1355 E 2nd Street, Jamestown, NY	GPRS EXPERTS IN GPR

Jim Bell • Project Manager | Upstate New York: (315)715-5137
Jim.Bell@gprsinc.com • www.gprsinc.com
Corporate Headquarters: 7540 New West Rd., Toledo, OH 43617. EIN #: 31-1803412

SUBSURFACE LOGS

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH1/TPMW1

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: ~9.5 ft. bgs. AFTER COMPLETION: ~5.48 ft. btoc.

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.0	0.3-2	U	-	-	10	0 – 0.3 ft. Asphalt
2	0.9	2-4	U	-	-	10	0.3 – 4.5 ft. Medium stiff, moist, brown, silty low plasticity CLAY (CL) (Fill Material)
3	1.0	4-6	U	-	-	12	4.5 – 5.5 ft. Loose, moist, tan, coarse to fine SAND, with wood (SW) (Fill Material)
4	1.6	6-8	U	-	-	12	
5	0.3	8-10	U	-	-	18	5.5 – 9.5 ft. Loose, moist, tan/brown, clayey fine SAND (SP)
6	0.2	10-12	U	-	-	18	9.5 – 15.5 ft. Medium stiff, wet, brown/gray, sandy high plasticity CLAY (CH)
7	0.6	12-14	U	-	-	10	
8	0.4	14-16	U	-	-	10	15.5 – 16.0 ft. Dense, wet, brown/gray sandy coarse round GRAVEL (GP)
9	0.4	16-16.5	U	-	-	6	16.0 – 16.5 ft. Very stiff, dry, dark gray, no plasticity CLAY, trace round gravel (CL)
							Equipment Refusal Encountered at ~16.5 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

ft. btoc = feet below top of casing

Fill to ~5.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH2

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: NA AFTER COMPLETION: NA

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.1	0.3-2	U	-	-	15	0 – 0.3 ft. Asphalt
2	0.2	2-4	U	-	-	15	0.3 – 5.5 ft. Medium stiff, moist, brown, silty low plasticity CLAY,
							trace angular gravel (CL) (Fill Material)
3	0.2	4-5.5	U	-	-	6	
							Equipment Refusal Encountered at ~5.5 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~5.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH3

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: NA AFTER COMPLETION: NA

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.1	0.3-2	U	-	-	15	0 – 0.3 ft. Asphalt
2	0.1	2-4	U	-	-	15	0.3 – 5.5 ft. Medium stiff, moist, brown, silty low plasticity CLAY,
							trace angular gravel (CL) (Fill Material)
3	0.2	4-5.5	U	-	-	6	
							Equipment Refusal Encountered at ~5.5 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~5.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH4/TPMW2

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: ~10.0 ft. bgs. AFTER COMPLETION: ~4.21 ft. btoc

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.1	0-2	U	-	-	12	0 – 4.5 ft. Medium stiff, moist, brown, sandy low plasticity CLAY (CL) (Fill Material)
2	0.2	2-4	U	-	-	12	
3	6.1	4-6	U	-	-	15	4.5 – 5.5 ft. Medium dense, moist, black, sandy medium to fine angular GRAVEL (GW) (Fill Material)
4	1.8	6-8	U	-	-	15	5.5 – 10.0 ft. Stiff, moist, tan/brown, sandy medium plasticity CLAY (CL)
5	1.0	8-10	U	-	-	20	
6	0.1	10-12	U	-	-	20	10.0 – 12.0 ft. Soft, wet, gray/brown, medium to fine SAND (SW)
7	0.3	12-14	U	-	-	20	12.0 – 16.0 ft. Loose, wet gray/brown, medium to fine SAND, trace round gravel (SW)
8	0.3	14-16.5	U	-	-	20	16.0 – 16.5 ft. Very dense, dry, coarse to fine angular GRAVEL (GW)
							Equipment Refusal Encountered at ~16.5 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

ft. btoc = feet below top of casing

Fill to ~5.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH5/TPMW3

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: ~10.0 ft. bgs. AFTER COMPLETION: ~5.33 ft. btoc

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.3	0.3-2	U	-	-	10	0 – 0.3 ft. Asphalt
2	0.4	2-4	U	-	-	10	0.3 – 2.5 ft. Loose, dry, brown, sandy coarse semi-angular GRAVEL (GP) (Fill Material)
3	NA	4-6	U	-	-	0	2.5 – 4.0 ft. Medium dense, moist, tan/yellow, clayey medium to fine SAND (SW)
4	NA	6-8	U	-	-	0	
5	0.5	8-10	U	-	-	14	4.0 – 8.0 ft. No Recovery
6	0.7	10-12	U	-	-	14	8.0 – 10.0 ft. Medium dense, moist, brown, gravelly fine SAND (SP)
7	0.1	12-14	U	-	-	16	10.0 – 14.0 ft. Medium dense, wet, gray, clayey fine sand (SP)
8	0.2	14-16	U	-	-	16	14.0 – 16.0 ft. Soft, wet, gray sandy high plasticity CLAY (CH)
							Equipment Refusal Encountered at ~16.0 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

ft. btoc = feet below top of casing

Fill to ~2.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 65-67 Lake Avenue, Lancaster, New York PROJECT No. 18S3267.22

CLIENT: Mr. Mark Aquino BORING/WELL No. BH6/TPMW4

DATE STARTED: 5/1/2018 DATE COMPLETED: 5/1/2018 RECORDED BY: BMS

GROUNDWATER DEPTH WHILE DRILLING: ~10.0 ft. bgs. AFTER COMPLETION: ~7.77 ft. btoc

WEATHER: 60 °F Sunny DRILL RIG: Geoprobe DRILLER: TREC Environmental

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description
1	0.4	0-2	U	-	-	10	0 – 3.0 ft. Medium dense, mist, brown, sandy low plasticity CLAY with red brick (LP)
2	0.5	2-4	U	-	-	10	3.0 – 10.0 ft. Medium dense, moist, gray/brown, sandy medium plasticity CLAY (CL)
3	0.2	4-6	U	-	-	14	
4	0.2	6-8	U	-	-	14	10.0 – 12.0 ft. Soft, wet, gray, sandy high plasticity CLAY (CH)
5	0.1	8-10	U	-	-	12	12.0 – 15.0 ft. Medium dense, wet, gray, clayey medium to fine SAND (SW)
6	0.1	10-12	U	-	-	12	
7	0.3	12-14	U	-	-	16	15.0 – 16.5 ft. Very dense, dry, gray, no plasticity CLAY, trace round gravel (CL)
8	0.1	14-16.5	U	-	-	16	Equipment Refusal Encountered at ~16.5 ft. bgs.

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

ft. btoc = feet below top of casing

Fill to ~3.0 ft. bgs

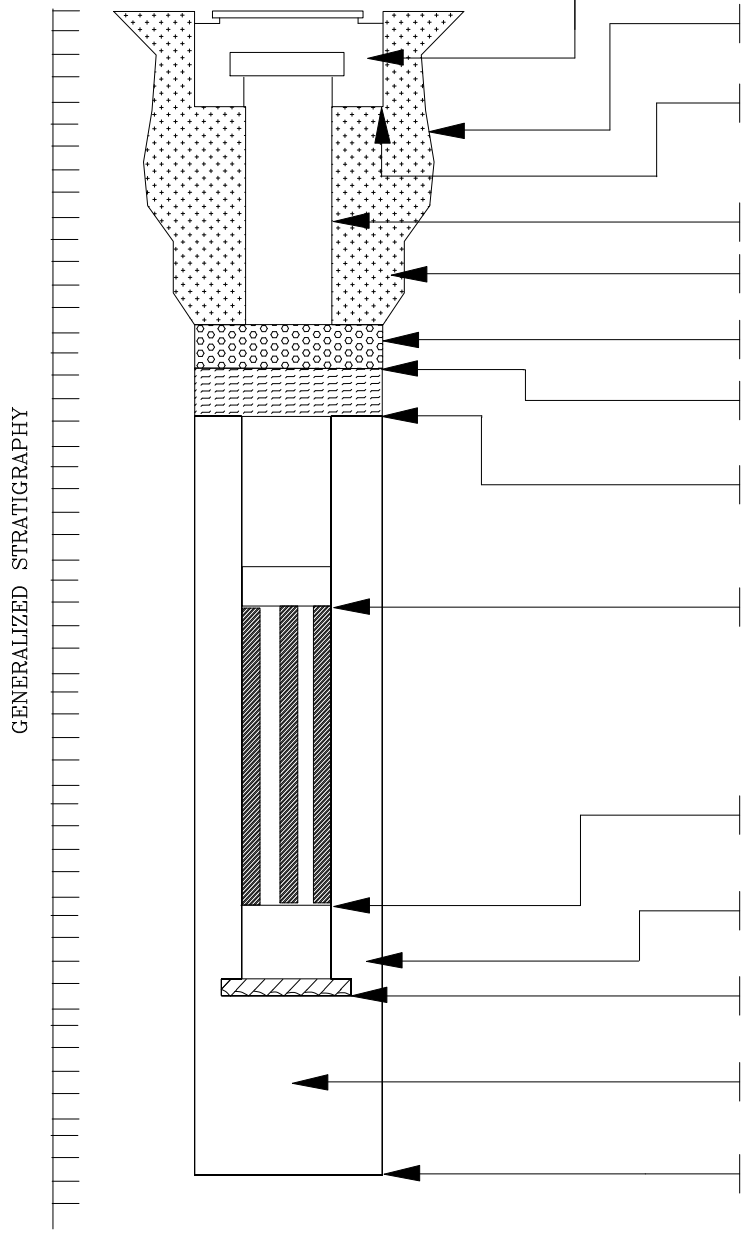
No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

WELL CONSTRUCTION DETAILS

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	65-67 Lake Avenue, Lancaster, New York	PROJECT No.	18S3267.22
CLIENT:	Mr. Mark Aquino	WELL No.	TPMW1
DATE COMPLETED:	5/1/2018	SUPERVISED BY:	BMS



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 1.0 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 6.2 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 15.8 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 16.0 ft. bgs

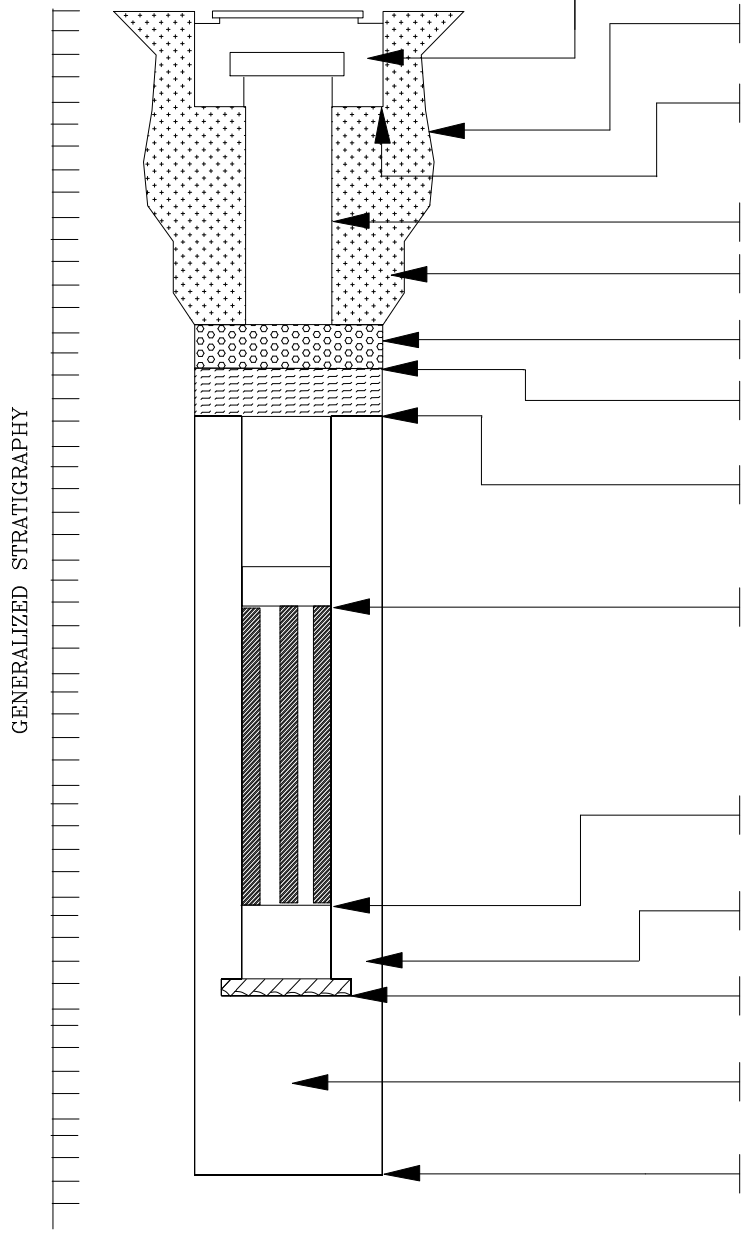
TYPE OF FILLER
BELOW PLUGGED BLANK: Native soils

BOTTOM OF BOREHOLE
Elevation/Depth: 16.5 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	65-67 Lake Avenue, Lancaster, New York	PROJECT No.	18S3267.22
CLIENT:	Mr. Mark Aquino	WELL No.	TPMW2
DATE COMPLETED:	5/1/2018	SUPERVISED BY:	BMS



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 1.0 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 6.2 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 15.8 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 16.0 ft. bgs

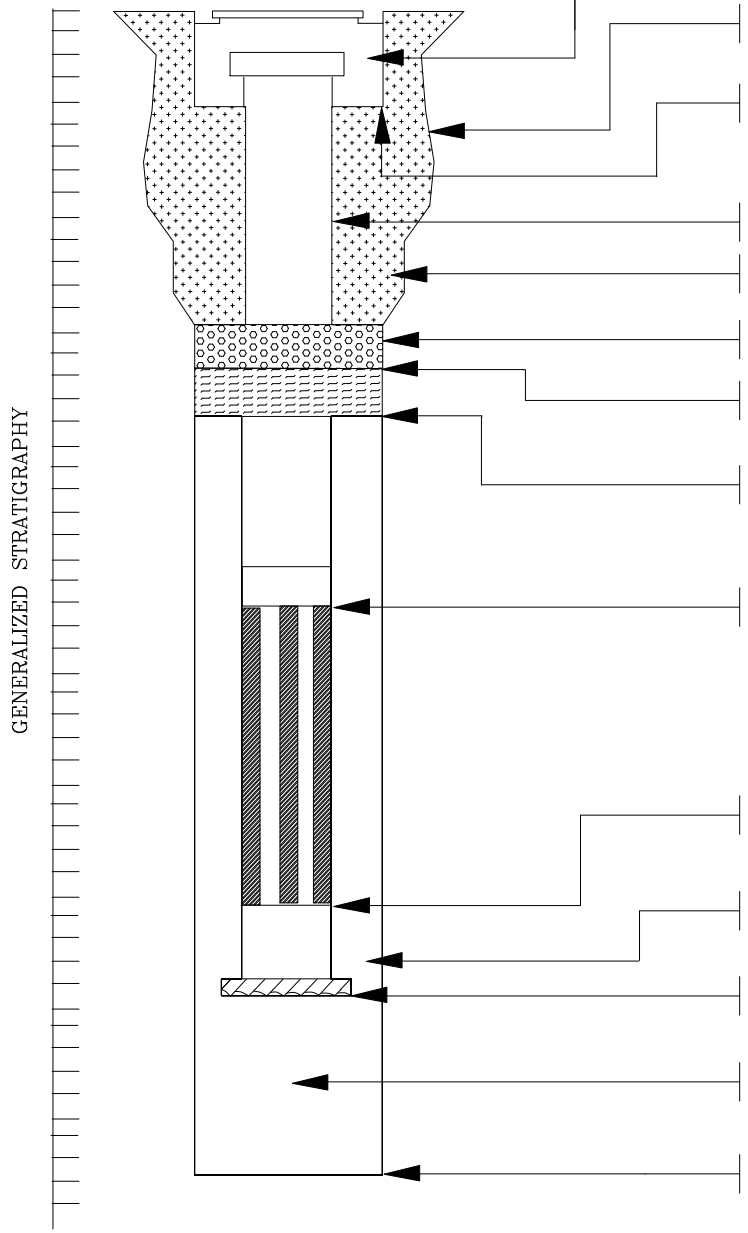
TYPE OF FILLER
BELOW PLUGGED BLANK: Native soils

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	65-67 Lake Avenue, Lancaster, New York	PROJECT No.	18S3267.22
CLIENT:	Mr. Mark Aquino	WELL No.	TPMW3
DATE COMPLETED:	5/1/2018	SUPERVISED BY:	BMS



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 1.0 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 6.2 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 15.8 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 16.0 ft. bgs

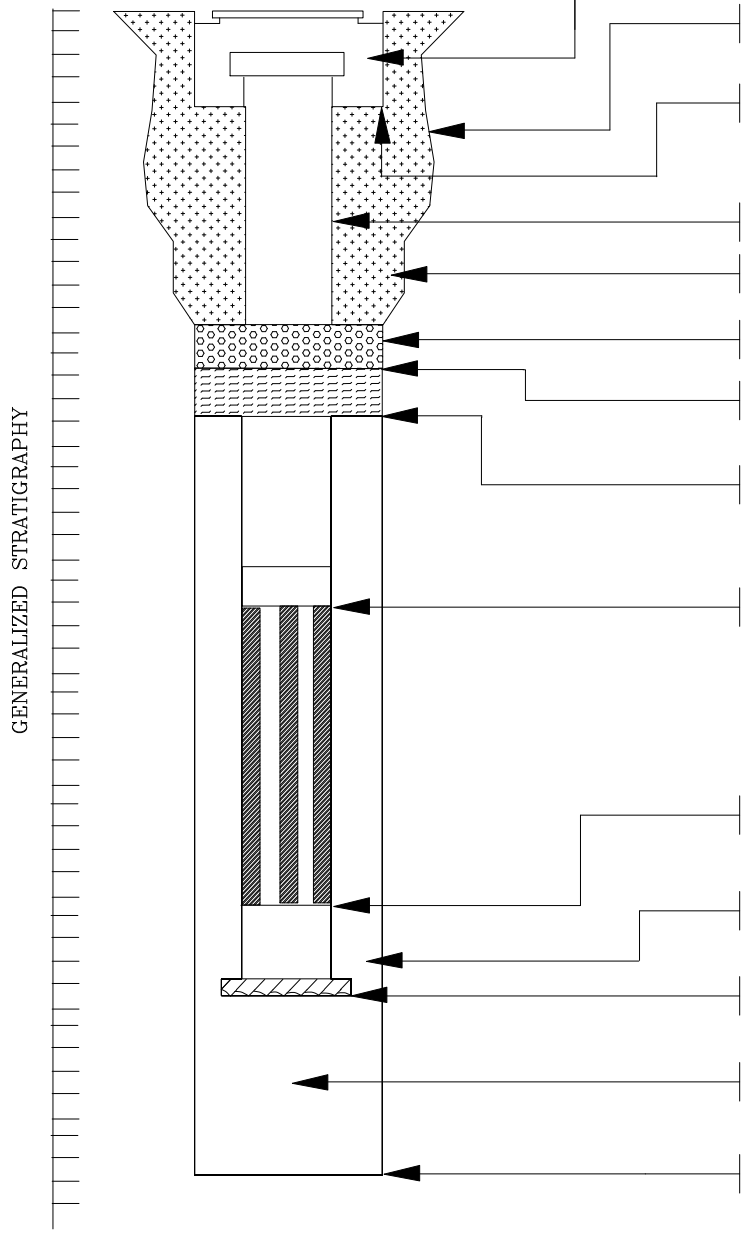
TYPE OF FILLER
BELOW PLUGGED BLANK: Native soils

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	65-67 Lake Avenue, Lancaster, New York	PROJECT No.	18S3267.22
CLIENT:	Mr. Mark Aquino	WELL No.	TPMW4
DATE COMPLETED:	5/1/2018	SUPERVISED BY:	BMS



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 1.0 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 6.2 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 15.8 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 16.0 ft. bgs

TYPE OF FILLER
BELOW PLUGGED BLANK: Native soils

BOTTOM OF BOREHOLE
Elevation/Depth: 16.5 ft. bgs

NOTES

ANALYTICAL RESULTS

ANALYTICAL REPORT

May 11, 2018

Lender Consulting Services - NY

Sample Delivery Group:	L990371
Samples Received:	05/02/2018
Project Number:	18S3267.22
Description:	65-67 Lake Ave.

Report To: Mr. Doug Reid
40 La Riviere Dr., Ste. 120
Buffalo, NY 14202

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

BH1 4-6 L990371-01 Solid

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1107889	1	05/08/18 13:20	05/08/18 13:31	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1107772	1	05/01/18 00:00	05/07/18 12:39	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1108339	8	05/01/18 00:00	05/08/18 18:35	DWR
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1106594	1	05/06/18 15:12	05/08/18 14:09	JNS

BH4 4-6 L990371-02 Solid

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1107889	1	05/08/18 13:20	05/08/18 13:31	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1107772	1	05/01/18 00:00	05/07/18 12:58	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1108339	1	05/01/18 00:00	05/08/18 14:51	DWR
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1106594	1	05/06/18 15:12	05/08/18 17:53	JNS

BH4 8-10 L990371-03 Solid

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1107889	1	05/08/18 13:20	05/08/18 13:31	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1107772	1	05/02/18 16:34	05/07/18 13:17	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1108339	1	05/02/18 16:34	05/08/18 15:16	DWR
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1106594	1	05/06/18 15:12	05/08/18 14:34	JNS

BH5 10-12 L990371-04 Solid

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1107889	1	05/08/18 13:20	05/08/18 13:31	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1107772	1	05/01/18 00:00	05/07/18 13:36	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1108339	1	05/01/18 00:00	05/08/18 15:41	DWR
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1106594	1	05/06/18 15:12	05/08/18 14:59	JNS

BH6 12-14 L990371-05 Solid

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1107890	1	05/07/18 15:31	05/07/18 15:41	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1107772	1.14	05/01/18 00:00	05/07/18 13:55	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1108339	1.14	05/01/18 00:00	05/08/18 16:06	DWR
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1108965	1	05/10/18 07:46	05/10/18 17:48	JNS

TPMW1 L990371-06 GW

Collected by: Brandon Stau | Collected date/time: 05/01/18 00:00 | Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1106220	1	05/03/18 05:25	05/03/18 05:25	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1106220	100	05/07/18 11:41	05/07/18 11:41	RAS
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1107320	1.11	05/08/18 06:46	05/08/18 15:30	JNS

TPMW2 L990371-07 GW

Collected by: Brandon Stau
Collected date/time: 05/01/18 00:00
Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1106220	2	05/07/18 12:00	05/07/18 12:00	RAS
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1107320	1.43	05/08/18 06:46	05/08/18 15:56	JNS

TPMW3 L990371-08 GW

Collected by: Brandon Stau
Collected date/time: 05/01/18 00:00
Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1106220	10	05/03/18 06:04	05/03/18 06:04	BMB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1107320	2	05/08/18 06:46	05/08/18 16:22	JNS

TPMW4 L990371-09 GW

Collected by: Brandon Stau
Collected date/time: 05/01/18 00:00
Received date/time: 05/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1106220	1	05/03/18 06:23	05/03/18 06:23	BMB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1107320	1.67	05/08/18 06:46	05/08/18 16:47	JNS

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

T. Alan Harvill
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	05/08/2018 13:31	WG1107889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		136	247	8	05/08/2018 18:35	WG1108339
Benzene	0.975	J	0.493	1.23	1	05/07/2018 12:39	WG1107772
Bromochloromethane	U		1.39	6.16	1	05/07/2018 12:39	WG1107772
Bromodichloromethane	U		0.971	3.08	1	05/07/2018 12:39	WG1107772
Bromoform	U		7.37	30.8	1	05/07/2018 12:39	WG1107772
Bromomethane	U		4.56	15.4	1	05/07/2018 12:39	WG1107772
Carbon disulfide	U		5.01	15.4	1	05/07/2018 12:39	WG1107772
Carbon tetrachloride	U		1.33	6.16	1	05/07/2018 12:39	WG1107772
Chlorobenzene	U		0.706	3.08	1	05/07/2018 12:39	WG1107772
Chlorodibromomethane	U		0.555	3.08	1	05/07/2018 12:39	WG1107772
Chloroethane	U		1.33	6.16	1	05/07/2018 12:39	WG1107772
Chloroform	U		0.512	3.08	1	05/07/2018 12:39	WG1107772
Chloromethane	U		1.71	15.4	1	05/07/2018 12:39	WG1107772
Cyclohexane	1.24	J	0.626	3.08	1	05/07/2018 12:39	WG1107772
1,2-Dibromo-3-Chloropropane	U		6.29	30.8	1	05/07/2018 12:39	WG1107772
1,2-Dibromoethane	U		0.647	3.08	1	05/07/2018 12:39	WG1107772
Dichlorodifluoromethane	U		1.01	3.08	1	05/07/2018 12:39	WG1107772
1,1-Dichloroethane	U		0.709	3.08	1	05/07/2018 12:39	WG1107772
1,2-Dichloroethane	U		0.586	3.08	1	05/07/2018 12:39	WG1107772
1,2-Dichlorobenzene	U		1.79	6.16	1	05/07/2018 12:39	WG1107772
1,3-Dichlorobenzene	U		2.10	6.16	1	05/07/2018 12:39	WG1107772
1,4-Dichlorobenzene	U		2.43	6.16	1	05/07/2018 12:39	WG1107772
1,1-Dichloroethene	3.47		0.616	3.08	1	05/07/2018 12:39	WG1107772
cis-1,2-Dichloroethene	2690		6.81	24.7	8	05/08/2018 18:35	WG1108339
trans-1,2-Dichloroethene	3.07	J	1.76	6.16	1	05/07/2018 12:39	WG1107772
1,2-Dichloropropane	U		1.57	6.16	1	05/07/2018 12:39	WG1107772
cis-1,3-Dichloropropene	U		0.836	3.08	1	05/07/2018 12:39	WG1107772
trans-1,3-Dichloropropene	U		1.89	6.16	1	05/07/2018 12:39	WG1107772
Ethylbenzene	U		0.653	3.08	1	05/07/2018 12:39	WG1107772
2-Hexanone	U		12.3	30.8	1	05/07/2018 12:39	WG1107772
Isopropylbenzene	U		1.06	3.08	1	05/07/2018 12:39	WG1107772
2-Butanone (MEK)	18.6	J	15.4	30.8	1	05/07/2018 12:39	WG1107772
Methyl Acetate	40.8	J	20.7	49.3	8	05/08/2018 18:35	WG1108339
Methyl Cyclohexane	U		1.27	6.16	1	05/07/2018 12:39	WG1107772
Methylene Chloride	U		8.19	30.8	1	05/07/2018 12:39	WG1107772
4-Methyl-2-pentanone (MIBK)	U		12.3	30.8	1	05/07/2018 12:39	WG1107772
Methyl tert-butyl ether	1.03	J	0.364	1.23	1	05/07/2018 12:39	WG1107772
Naphthalene	U		3.85	15.4	1	05/07/2018 12:39	WG1107772
Styrene	U		3.37	15.4	1	05/07/2018 12:39	WG1107772
1,1,2,2-Tetrachloroethane	U		0.481	3.08	1	05/07/2018 12:39	WG1107772
Tetrachloroethene	13000		6.90	24.7	8	05/08/2018 18:35	WG1108339
Toluene	2.05	J	1.54	6.16	1	05/07/2018 12:39	WG1107772
1,2,3-Trichlorobenzene	U		0.771	3.08	1	05/07/2018 12:39	WG1107772
1,2,4-Trichlorobenzene	U		5.94	15.4	1	05/07/2018 12:39	WG1107772
1,1,1-Trichloroethane	U		0.339	3.08	1	05/07/2018 12:39	WG1107772
1,1,2-Trichloroethane	U		1.09	3.08	1	05/07/2018 12:39	WG1107772
Trichloroethene	8260		3.94	9.86	8	05/08/2018 18:35	WG1108339
Trichlorofluoromethane	U		0.616	3.08	1	05/07/2018 12:39	WG1107772
1,1,2-Trichlorotrifluoroethane	U		0.832	3.08	1	05/07/2018 12:39	WG1107772
Vinyl chloride	3.60		0.842	3.08	1	05/07/2018 12:39	WG1107772

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	U		1.23	3.08	1	05/07/2018 12:39	WG1107772
m&p-Xylenes	U		1.85	4.93	1	05/07/2018 12:39	WG1107772
n-Butylbenzene	U		4.73	15.4	1	05/07/2018 12:39	WG1107772
sec-Butylbenzene	U		3.12	15.4	1	05/07/2018 12:39	WG1107772
tert-Butylbenzene	U		1.91	6.16	1	05/07/2018 12:39	WG1107772
1,2,4-Trimethylbenzene	U		1.43	6.16	1	05/07/2018 12:39	WG1107772
1,3,5-Trimethylbenzene	U		1.33	6.16	1	05/07/2018 12:39	WG1107772
n-Propylbenzene	U		1.45	6.16	1	05/07/2018 12:39	WG1107772
p-Isopropyltoluene	U		2.87	6.16	1	05/07/2018 12:39	WG1107772
(S) Toluene-d8	*75.0*	J2		*80.0-120*		*05/07/2018 12:39*	WG1107772
(S) Toluene-d8	*112*			*80.0-120*		*05/08/2018 18:35*	WG1108339
(S) Dibromofluoromethane	*93.1*			*74.0-131*		*05/07/2018 12:39*	WG1107772
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*05/08/2018 18:35*	WG1108339
(S) a,a,a-Trifluorotoluene	*94.4*			*80.0-120*		*05/07/2018 12:39*	WG1107772
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*		*05/08/2018 18:35*	WG1108339
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*05/07/2018 12:39*	WG1107772
(S) 4-Bromofluorobenzene	*98.1*			*64.0-132*		*05/08/2018 18:35*	WG1108339

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	13.8	J	8.97	40.7	1	05/08/2018 14:09	WG1106594
Acenaphthylene	U		9.26	40.7	1	05/08/2018 14:09	WG1106594
Acenaphthene	U		9.09	40.7	1	05/08/2018 14:09	WG1106594
Benzo(a)anthracene	22.0	J	5.28	40.7	1	05/08/2018 14:09	WG1106594
Benzo(a)pyrene	18.9	J	6.19	40.7	1	05/08/2018 14:09	WG1106594
Benzo(b)fluoranthene	32.6	J	8.57	40.7	1	05/08/2018 14:09	WG1106594
Benzo(g,h,i)perylene	22.8	J	8.89	40.7	1	05/08/2018 14:09	WG1106594
Benzo(k)fluoranthene	11.7	J	6.24	40.7	1	05/08/2018 14:09	WG1106594
Chrysene	45.6		9.68	40.7	1	05/08/2018 14:09	WG1106594
Dibenz(a,h)anthracene	U		7.29	40.7	1	05/08/2018 14:09	WG1106594
Fluoranthene	90.1		8.73	40.7	1	05/08/2018 14:09	WG1106594
Fluorene	U		8.86	40.7	1	05/08/2018 14:09	WG1106594
Indeno(1,2,3-cd)pyrene	14.6	J	6.92	40.7	1	05/08/2018 14:09	WG1106594
Naphthalene	U		6.32	40.7	1	05/08/2018 14:09	WG1106594
Phenanthrene	69.3		8.75	40.7	1	05/08/2018 14:09	WG1106594
Pyrene	67.5		9.57	40.7	1	05/08/2018 14:09	WG1106594
(S) Nitrobenzene-d5	*80.4*			*31.0-146*		*05/08/2018 14:09*	WG1106594
(S) 2-Fluorobiphenyl	*76.5*			*31.0-130*		*05/08/2018 14:09*	WG1106594
(S) p-Terphenyl-d14	*77.9*			*20.0-127*		*05/08/2018 14:09*	WG1106594

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	05/08/2018 13:31	WG1107889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	417		17.2	31.5	1	05/08/2018 14:51	WG1108339
Benzene	2.44		0.504	1.26	1	05/07/2018 12:58	WG1107772
Bromochloromethane	U		1.42	6.29	1	05/07/2018 12:58	WG1107772
Bromodichloromethane	U		0.992	3.15	1	05/07/2018 12:58	WG1107772
Bromoform	U		7.53	31.5	1	05/07/2018 12:58	WG1107772
Bromomethane	U		4.66	15.7	1	05/07/2018 12:58	WG1107772
Carbon disulfide	U		5.11	15.7	1	05/07/2018 12:58	WG1107772
Carbon tetrachloride	U		1.36	6.29	1	05/07/2018 12:58	WG1107772
Chlorobenzene	U		0.721	3.15	1	05/07/2018 12:58	WG1107772
Chlorodibromomethane	U		0.566	3.15	1	05/07/2018 12:58	WG1107772
Chloroethane	U		1.36	6.29	1	05/07/2018 12:58	WG1107772
Chloroform	U		0.522	3.15	1	05/07/2018 12:58	WG1107772
Chloromethane	U		1.75	15.7	1	05/07/2018 12:58	WG1107772
Cyclohexane	U		0.639	3.15	1	05/07/2018 12:58	WG1107772
1,2-Dibromo-3-Chloropropane	U		6.42	31.5	1	05/07/2018 12:58	WG1107772
1,2-Dibromoethane	U		0.661	3.15	1	05/07/2018 12:58	WG1107772
Dichlorodifluoromethane	U		1.03	3.15	1	05/07/2018 12:58	WG1107772
1,1-Dichloroethane	U		0.724	3.15	1	05/07/2018 12:58	WG1107772
1,2-Dichloroethane	U		0.598	3.15	1	05/07/2018 12:58	WG1107772
1,2-Dichlorobenzene	U		1.83	6.29	1	05/07/2018 12:58	WG1107772
1,3-Dichlorobenzene	U		2.14	6.29	1	05/07/2018 12:58	WG1107772
1,4-Dichlorobenzene	U		2.48	6.29	1	05/07/2018 12:58	WG1107772
1,1-Dichloroethene	1.50	J	0.629	3.15	1	05/07/2018 12:58	WG1107772
cis-1,2-Dichloroethene	733		0.869	3.15	1	05/07/2018 12:58	WG1107772
trans-1,2-Dichloroethene	U		1.80	6.29	1	05/07/2018 12:58	WG1107772
1,2-Dichloropropane	U		1.60	6.29	1	05/07/2018 12:58	WG1107772
cis-1,3-Dichloropropene	U		0.853	3.15	1	05/07/2018 12:58	WG1107772
trans-1,3-Dichloropropene	U		1.93	6.29	1	05/07/2018 12:58	WG1107772
Ethylbenzene	3.67		0.667	3.15	1	05/07/2018 12:58	WG1107772
2-Hexanone	U		12.6	31.5	1	05/07/2018 12:58	WG1107772
Isopropylbenzene	U		1.09	3.15	1	05/07/2018 12:58	WG1107772
2-Butanone (MEK)	U		15.7	31.5	1	05/07/2018 12:58	WG1107772
Methyl Acetate	19.2		2.64	6.29	1	05/08/2018 14:51	WG1108339
Methyl Cyclohexane	U		1.30	6.29	1	05/07/2018 12:58	WG1107772
Methylene Chloride	U		8.36	31.5	1	05/07/2018 12:58	WG1107772
4-Methyl-2-pentanone (MIBK)	U		12.6	31.5	1	05/07/2018 12:58	WG1107772
Methyl tert-butyl ether	0.898	J	0.371	1.26	1	05/07/2018 12:58	WG1107772
Naphthalene	U		3.93	15.7	1	05/07/2018 12:58	WG1107772
Styrene	U		3.44	15.7	1	05/07/2018 12:58	WG1107772
1,1,2,2-Tetrachloroethane	U		0.491	3.15	1	05/07/2018 12:58	WG1107772
Tetrachloroethene	118		0.881	3.15	1	05/07/2018 12:58	WG1107772
Toluene	5.60	J	1.57	6.29	1	05/07/2018 12:58	WG1107772
1,2,3-Trichlorobenzene	U		0.787	3.15	1	05/07/2018 12:58	WG1107772
1,2,4-Trichlorobenzene	U		6.07	15.7	1	05/07/2018 12:58	WG1107772
1,1,1-Trichloroethane	U		0.346	3.15	1	05/07/2018 12:58	WG1107772
1,1,2-Trichloroethane	U		1.11	3.15	1	05/07/2018 12:58	WG1107772
Trichloroethene	241		0.504	1.26	1	05/07/2018 12:58	WG1107772
Trichlorofluoromethane	U		0.629	3.15	1	05/07/2018 12:58	WG1107772
1,1,2-Trichlorotrifluoroethane	U		0.850	3.15	1	05/07/2018 12:58	WG1107772
Vinyl chloride	2.54	J	0.860	3.15	1	05/07/2018 12:58	WG1107772

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	1.32	J	1.26	3.15	1	05/07/2018 12:58	WG1107772
m&p-Xylenes	5.50		1.89	5.04	1	05/07/2018 12:58	WG1107772
n-Butylbenzene	U		4.83	15.7	1	05/07/2018 12:58	WG1107772
sec-Butylbenzene	U		3.18	15.7	1	05/07/2018 12:58	WG1107772
tert-Butylbenzene	U		1.95	6.29	1	05/07/2018 12:58	WG1107772
1,2,4-Trimethylbenzene	2.40	J	1.46	6.29	1	05/07/2018 12:58	WG1107772
1,3,5-Trimethylbenzene	U		1.36	6.29	1	05/07/2018 12:58	WG1107772
n-Propylbenzene	2.64	J	1.49	6.29	1	05/07/2018 12:58	WG1107772
p-Isopropyltoluene	U		2.93	6.29	1	05/07/2018 12:58	WG1107772
(S) Toluene-d8	*96.8*			*80.0-120*		*05/07/2018 12:58*	WG1107772
(S) Toluene-d8	*116*			*80.0-120*		*05/08/2018 14:51*	WG1108339
(S) Dibromofluoromethane	*86.0*			*74.0-131*		*05/07/2018 12:58*	WG1107772
(S) Dibromofluoromethane	*89.1*			*74.0-131*		*05/08/2018 14:51*	WG1108339
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*		*05/07/2018 12:58*	WG1107772
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*		*05/08/2018 14:51*	WG1108339
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/07/2018 12:58*	WG1107772
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/08/2018 14:51*	WG1108339

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	216		9.16	41.5	1	05/08/2018 17:53	WG1106594
Acenaphthylene	69.8		9.45	41.5	1	05/08/2018 17:53	WG1106594
Acenaphthene	68.9		9.28	41.5	1	05/08/2018 17:53	WG1106594
Benzo(a)anthracene	475		5.39	41.5	1	05/08/2018 17:53	WG1106594
Benzo(a)pyrene	506		6.32	41.5	1	05/08/2018 17:53	WG1106594
Benzo(b)fluoranthene	739		8.75	41.5	1	05/08/2018 17:53	WG1106594
Benzo(g,h,i)perylene	440		9.08	41.5	1	05/08/2018 17:53	WG1106594
Benzo(k)fluoranthene	212		6.37	41.5	1	05/08/2018 17:53	WG1106594
Chrysene	634		9.88	41.5	1	05/08/2018 17:53	WG1106594
Dibenz(a,h)anthracene	61.7		7.44	41.5	1	05/08/2018 17:53	WG1106594
Fluoranthene	1300		8.91	41.5	1	05/08/2018 17:53	WG1106594
Fluorene	126		9.05	41.5	1	05/08/2018 17:53	WG1106594
Indeno(1,2,3-cd)pyrene	375		7.06	41.5	1	05/08/2018 17:53	WG1106594
Naphthalene	247		6.46	41.5	1	05/08/2018 17:53	WG1106594
Phenanthrene	808		8.94	41.5	1	05/08/2018 17:53	WG1106594
Pyrene	882		9.77	41.5	1	05/08/2018 17:53	WG1106594
(S) Nitrobenzene-d5	*45.5*			*31.0-146*		*05/08/2018 17:53*	WG1106594
(S) 2-Fluorobiphenyl	*72.6*			*31.0-130*		*05/08/2018 17:53*	WG1106594
(S) p-Terphenyl-d14	*67.6*			*20.0-127*		*05/08/2018 17:53*	WG1106594

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.9		1	05/08/2018 13:31	WG1107889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	44.7		17.6	32.1	1	05/08/2018 15:16	WG1108339
Benzene	2.47		0.513	1.28	1	05/07/2018 13:17	WG1107772
Bromochloromethane	U		1.45	6.42	1	05/07/2018 13:17	WG1107772
Bromodichloromethane	U		1.01	3.21	1	05/07/2018 13:17	WG1107772
Bromoform	U		7.68	32.1	1	05/07/2018 13:17	WG1107772
Bromomethane	U		4.75	16.0	1	05/07/2018 13:17	WG1107772
Carbon disulfide	U		5.21	16.0	1	05/07/2018 13:17	WG1107772
Carbon tetrachloride	U		1.39	6.42	1	05/07/2018 13:17	WG1107772
Chlorobenzene	U		0.736	3.21	1	05/07/2018 13:17	WG1107772
Chlorodibromomethane	U		0.578	3.21	1	05/07/2018 13:17	WG1107772
Chloroethane	U		1.39	6.42	1	05/07/2018 13:17	WG1107772
Chloroform	U		0.533	3.21	1	05/07/2018 13:17	WG1107772
Chloromethane	U		1.78	16.0	1	05/07/2018 13:17	WG1107772
Cyclohexane	6.66		0.652	3.21	1	05/07/2018 13:17	WG1107772
1,2-Dibromo-3-Chloropropane	U		6.55	32.1	1	05/07/2018 13:17	WG1107772
1,2-Dibromoethane	U		0.674	3.21	1	05/07/2018 13:17	WG1107772
Dichlorodifluoromethane	U		1.05	3.21	1	05/07/2018 13:17	WG1107772
1,1-Dichloroethane	U		0.738	3.21	1	05/07/2018 13:17	WG1107772
1,2-Dichloroethane	U		0.610	3.21	1	05/07/2018 13:17	WG1107772
1,2-Dichlorobenzene	U		1.86	6.42	1	05/07/2018 13:17	WG1107772
1,3-Dichlorobenzene	U		2.18	6.42	1	05/07/2018 13:17	WG1107772
1,4-Dichlorobenzene	U		2.53	6.42	1	05/07/2018 13:17	WG1107772
1,1-Dichloroethene	U		0.642	3.21	1	05/07/2018 13:17	WG1107772
cis-1,2-Dichloroethene	7.28		0.886	3.21	1	05/07/2018 13:17	WG1107772
trans-1,2-Dichloroethene	U		1.84	6.42	1	05/07/2018 13:17	WG1107772
1,2-Dichloropropane	U		1.63	6.42	1	05/07/2018 13:17	WG1107772
cis-1,3-Dichloropropene	U		0.870	3.21	1	05/07/2018 13:17	WG1107772
trans-1,3-Dichloropropene	U		1.96	6.42	1	05/07/2018 13:17	WG1107772
Ethylbenzene	5.02		0.680	3.21	1	05/07/2018 13:17	WG1107772
2-Hexanone	U		12.8	32.1	1	05/07/2018 13:17	WG1107772
Isopropylbenzene	1.79	J	1.11	3.21	1	05/07/2018 13:17	WG1107772
2-Butanone (MEK)	U		16.0	32.1	1	05/07/2018 13:17	WG1107772
Methyl Acetate	20.6		2.70	6.42	1	05/08/2018 15:16	WG1108339
Methyl Cyclohexane	U		1.32	6.42	1	05/07/2018 13:17	WG1107772
Methylene Chloride	U		8.52	32.1	1	05/07/2018 13:17	WG1107772
4-Methyl-2-pentanone (MIBK)	U		12.8	32.1	1	05/07/2018 13:17	WG1107772
Methyl tert-butyl ether	0.893	J	0.379	1.28	1	05/07/2018 13:17	WG1107772
Naphthalene	U		4.01	16.0	1	05/07/2018 13:17	WG1107772
Styrene	U		3.50	16.0	1	05/07/2018 13:17	WG1107772
1,1,2,2-Tetrachloroethane	U		0.501	3.21	1	05/07/2018 13:17	WG1107772
Tetrachloroethene	20.4		0.899	3.21	1	05/07/2018 13:17	WG1107772
Toluene	4.52	J	1.60	6.42	1	05/07/2018 13:17	WG1107772
1,2,3-Trichlorobenzene	U		0.802	3.21	1	05/07/2018 13:17	WG1107772
1,2,4-Trichlorobenzene	U		6.19	16.0	1	05/07/2018 13:17	WG1107772
1,1,1-Trichloroethane	U		0.353	3.21	1	05/07/2018 13:17	WG1107772
1,1,2-Trichloroethane	U		1.13	3.21	1	05/07/2018 13:17	WG1107772
Trichloroethene	6.68		0.513	1.28	1	05/07/2018 13:17	WG1107772
Trichlorofluoromethane	U		0.642	3.21	1	05/07/2018 13:17	WG1107772
1,1,2-Trichlorotrifluoroethane	U		0.866	3.21	1	05/07/2018 13:17	WG1107772
Vinyl chloride	U		0.877	3.21	1	05/07/2018 13:17	WG1107772

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	1.95	J	1.28	3.21	1	05/07/2018 13:17	WG1107772
m&p-Xylenes	5.08	J	1.93	5.13	1	05/07/2018 13:17	WG1107772
n-Butylbenzene	U		4.93	16.0	1	05/07/2018 13:17	WG1107772
sec-Butylbenzene	U		3.25	16.0	1	05/07/2018 13:17	WG1107772
tert-Butylbenzene	U		1.99	6.42	1	05/07/2018 13:17	WG1107772
1,2,4-Trimethylbenzene	2.22	J	1.49	6.42	1	05/07/2018 13:17	WG1107772
1,3,5-Trimethylbenzene	U		1.39	6.42	1	05/07/2018 13:17	WG1107772
n-Propylbenzene	4.72	J	1.51	6.42	1	05/07/2018 13:17	WG1107772
p-Isopropyltoluene	U		2.99	6.42	1	05/07/2018 13:17	WG1107772
(S) Toluene-d8	*96.2*			*80.0-120*		*05/07/2018 13:17*	WG1107772
(S) Toluene-d8	*116*			*80.0-120*		*05/08/2018 15:16*	WG1108339
(S) Dibromofluoromethane	*79.9*			*74.0-131*		*05/07/2018 13:17*	WG1107772
(S) Dibromofluoromethane	*89.0*			*74.0-131*		*05/08/2018 15:16*	WG1108339
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*		*05/07/2018 13:17*	WG1107772
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*		*05/08/2018 15:16*	WG1108339
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/07/2018 13:17*	WG1107772
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/08/2018 15:16*	WG1108339

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	20.6	J	9.35	42.4	1	05/08/2018 14:34	WG1106594
Acenaphthylene	U		9.64	42.4	1	05/08/2018 14:34	WG1106594
Acenaphthene	U		9.46	42.4	1	05/08/2018 14:34	WG1106594
Benzo(a)anthracene	29.3	J	5.49	42.4	1	05/08/2018 14:34	WG1106594
Benzo(a)pyrene	27.5	J	6.44	42.4	1	05/08/2018 14:34	WG1106594
Benzo(b)fluoranthene	43.5		8.92	42.4	1	05/08/2018 14:34	WG1106594
Benzo(g,h,i)perylene	23.2	J	9.26	42.4	1	05/08/2018 14:34	WG1106594
Benzo(k)fluoranthene	16.0	J	6.50	42.4	1	05/08/2018 14:34	WG1106594
Chrysene	51.8		10.1	42.4	1	05/08/2018 14:34	WG1106594
Dibenz(a,h)anthracene	U		7.59	42.4	1	05/08/2018 14:34	WG1106594
Fluoranthene	93.8		9.09	42.4	1	05/08/2018 14:34	WG1106594
Fluorene	U		9.23	42.4	1	05/08/2018 14:34	WG1106594
Indeno(1,2,3-cd)pyrene	17.0	J	7.20	42.4	1	05/08/2018 14:34	WG1106594
Naphthalene	U		6.59	42.4	1	05/08/2018 14:34	WG1106594
Phenanthrene	26.1	J	9.11	42.4	1	05/08/2018 14:34	WG1106594
Pyrene	85.3		9.96	42.4	1	05/08/2018 14:34	WG1106594
(S) Nitrobenzene-d5	*95.8*			*31.0-146*		*05/08/2018 14:34*	WG1106594
(S) 2-Fluorobiphenyl	*92.3*			*31.0-130*		*05/08/2018 14:34*	WG1106594
(S) p-Terphenyl-d14	*91.7*			*20.0-127*		*05/08/2018 14:34*	WG1106594

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	05/08/2018 13:31	WG1107889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		16.6	30.2	1	05/08/2018 15:41	WG1108339
Benzene	U		0.483	1.21	1	05/07/2018 13:36	WG1107772
Bromochloromethane	U		1.37	6.04	1	05/07/2018 13:36	WG1107772
Bromodichloromethane	U		0.952	3.02	1	05/07/2018 13:36	WG1107772
Bromoform	U		7.23	30.2	1	05/07/2018 13:36	WG1107772
Bromomethane	U		4.47	15.1	1	05/07/2018 13:36	WG1107772
Carbon disulfide	U		4.91	15.1	1	05/07/2018 13:36	WG1107772
Carbon tetrachloride	U		1.31	6.04	1	05/07/2018 13:36	WG1107772
Chlorobenzene	U		0.693	3.02	1	05/07/2018 13:36	WG1107772
Chlorodibromomethane	U		0.544	3.02	1	05/07/2018 13:36	WG1107772
Chloroethane	U		1.31	6.04	1	05/07/2018 13:36	WG1107772
Chloroform	U		0.502	3.02	1	05/07/2018 13:36	WG1107772
Chloromethane	U		1.68	15.1	1	05/07/2018 13:36	WG1107772
Cyclohexane	0.792	J	0.614	3.02	1	05/07/2018 13:36	WG1107772
1,2-Dibromo-3-Chloropropane	U		6.16	30.2	1	05/07/2018 13:36	WG1107772
1,2-Dibromoethane	U		0.634	3.02	1	05/07/2018 13:36	WG1107772
Dichlorodifluoromethane	U		0.989	3.02	1	05/07/2018 13:36	WG1107772
1,1-Dichloroethane	U		0.695	3.02	1	05/07/2018 13:36	WG1107772
1,2-Dichloroethane	U		0.574	3.02	1	05/07/2018 13:36	WG1107772
1,2-Dichlorobenzene	U		1.75	6.04	1	05/07/2018 13:36	WG1107772
1,3-Dichlorobenzene	U		2.05	6.04	1	05/07/2018 13:36	WG1107772
1,4-Dichlorobenzene	U		2.38	6.04	1	05/07/2018 13:36	WG1107772
1,1-Dichloroethene	U		0.604	3.02	1	05/07/2018 13:36	WG1107772
cis-1,2-Dichloroethene	1.64	J	0.834	3.02	1	05/07/2018 13:36	WG1107772
trans-1,2-Dichloroethene	U		1.73	6.04	1	05/07/2018 13:36	WG1107772
1,2-Dichloropropane	U		1.53	6.04	1	05/07/2018 13:36	WG1107772
cis-1,3-Dichloropropene	U		0.819	3.02	1	05/07/2018 13:36	WG1107772
trans-1,3-Dichloropropene	U		1.85	6.04	1	05/07/2018 13:36	WG1107772
Ethylbenzene	U		0.641	3.02	1	05/07/2018 13:36	WG1107772
2-Hexanone	U		12.1	30.2	1	05/07/2018 13:36	WG1107772
Isopropylbenzene	U		1.04	3.02	1	05/07/2018 13:36	WG1107772
2-Butanone (MEK)	U		15.1	30.2	1	05/07/2018 13:36	WG1107772
Methyl Acetate	10.7		2.54	6.04	1	05/08/2018 15:41	WG1108339
Methyl Cyclohexane	2.27	J	1.24	6.04	1	05/07/2018 13:36	WG1107772
Methylene Chloride	U		8.02	30.2	1	05/07/2018 13:36	WG1107772
4-Methyl-2-pentanone (MIBK)	U		12.1	30.2	1	05/07/2018 13:36	WG1107772
Methyl tert-butyl ether	0.905	J	0.357	1.21	1	05/07/2018 13:36	WG1107772
Naphthalene	U		3.77	15.1	1	05/07/2018 13:36	WG1107772
Styrene	U		3.30	15.1	1	05/07/2018 13:36	WG1107772
1,1,2,2-Tetrachloroethane	U		0.471	3.02	1	05/07/2018 13:36	WG1107772
Tetrachloroethene	110		0.846	3.02	1	05/07/2018 13:36	WG1107772
Toluene	U		1.51	6.04	1	05/07/2018 13:36	WG1107772
1,2,3-Trichlorobenzene	U		0.755	3.02	1	05/07/2018 13:36	WG1107772
1,2,4-Trichlorobenzene	U		5.83	15.1	1	05/07/2018 13:36	WG1107772
1,1,1-Trichloroethane	U		0.332	3.02	1	05/07/2018 13:36	WG1107772
1,1,2-Trichloroethane	U		1.07	3.02	1	05/07/2018 13:36	WG1107772
Trichloroethene	2.44		0.483	1.21	1	05/07/2018 13:36	WG1107772
Trichlorofluoromethane	U		0.604	3.02	1	05/07/2018 13:36	WG1107772
1,1,2-Trichlorotrifluoroethane	U		0.816	3.02	1	05/07/2018 13:36	WG1107772
Vinyl chloride	0.998	J	0.825	3.02	1	05/07/2018 13:36	WG1107772

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	U		1.21	3.02	1	05/07/2018 13:36	WG1107772
m&p-Xylenes	U		1.81	4.83	1	05/07/2018 13:36	WG1107772
n-Butylbenzene	U		4.64	15.1	1	05/07/2018 13:36	WG1107772
sec-Butylbenzene	U		3.06	15.1	1	05/07/2018 13:36	WG1107772
tert-Butylbenzene	U		1.87	6.04	1	05/07/2018 13:36	WG1107772
1,2,4-Trimethylbenzene	U		1.40	6.04	1	05/07/2018 13:36	WG1107772
1,3,5-Trimethylbenzene	U		1.31	6.04	1	05/07/2018 13:36	WG1107772
n-Propylbenzene	U		1.43	6.04	1	05/07/2018 13:36	WG1107772
p-Isopropyltoluene	U		2.82	6.04	1	05/07/2018 13:36	WG1107772
(S) Toluene-d8	*83.3*			*80.0-120*		*05/07/2018 13:36*	WG1107772
(S) Toluene-d8	*115*			*80.0-120*		*05/08/2018 15:41*	WG1108339
(S) Dibromofluoromethane	*82.2*			*74.0-131*		*05/07/2018 13:36*	WG1107772
(S) Dibromofluoromethane	*88.5*			*74.0-131*		*05/08/2018 15:41*	WG1108339
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*		*05/07/2018 13:36*	WG1107772
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*		*05/08/2018 15:41*	WG1108339
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*05/07/2018 13:36*	WG1107772
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/08/2018 15:41*	WG1108339

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	13.1	J	8.80	39.9	1	05/08/2018 14:59	WG1106594
Acenaphthylene	U		9.08	39.9	1	05/08/2018 14:59	WG1106594
Acenaphthene	U		8.91	39.9	1	05/08/2018 14:59	WG1106594
Benzo(a)anthracene	33.2	J	5.17	39.9	1	05/08/2018 14:59	WG1106594
Benzo(a)pyrene	27.9	J	6.07	39.9	1	05/08/2018 14:59	WG1106594
Benzo(b)fluoranthene	44.1		8.40	39.9	1	05/08/2018 14:59	WG1106594
Benzo(g,h,i)perylene	29.3	J	8.71	39.9	1	05/08/2018 14:59	WG1106594
Benzo(k)fluoranthene	16.5	J	6.12	39.9	1	05/08/2018 14:59	WG1106594
Chrysene	48.9		9.49	39.9	1	05/08/2018 14:59	WG1106594
Dibenz(a,h)anthracene	U		7.14	39.9	1	05/08/2018 14:59	WG1106594
Fluoranthene	164		8.56	39.9	1	05/08/2018 14:59	WG1106594
Fluorene	U		8.69	39.9	1	05/08/2018 14:59	WG1106594
Indeno(1,2,3-cd)pyrene	19.7	J	6.78	39.9	1	05/08/2018 14:59	WG1106594
Naphthalene	U		6.20	39.9	1	05/08/2018 14:59	WG1106594
Phenanthrene	78.7		8.58	39.9	1	05/08/2018 14:59	WG1106594
Pyrene	113		9.38	39.9	1	05/08/2018 14:59	WG1106594
(S) Nitrobenzene-d5	*95.1*			*31.0-146*		*05/08/2018 14:59*	WG1106594
(S) 2-Fluorobiphenyl	*92.9*			*31.0-130*		*05/08/2018 14:59*	WG1106594
(S) p-Terphenyl-d14	*92.2*			*20.0-127*		*05/08/2018 14:59*	WG1106594

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	05/07/2018 15:41	WG1107890

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	18.3	J	18.2	33.3	1.14	05/08/2018 16:06	WG1108339
Benzene	0.864	J	0.532	1.33	1.14	05/07/2018 13:55	WG1107772
Bromochloromethane	U		1.51	6.66	1.14	05/07/2018 13:55	WG1107772
Bromodichloromethane	U		1.05	3.33	1.14	05/07/2018 13:55	WG1107772
Bromoform	U		7.96	33.3	1.14	05/07/2018 13:55	WG1107772
Bromomethane	U		4.93	16.6	1.14	05/07/2018 13:55	WG1107772
Carbon disulfide	U		5.41	16.6	1.14	05/07/2018 13:55	WG1107772
Carbon tetrachloride	U		1.44	6.66	1.14	05/07/2018 13:55	WG1107772
Chlorobenzene	U		0.763	3.33	1.14	05/07/2018 13:55	WG1107772
Chlorodibromomethane	U		0.599	3.33	1.14	05/07/2018 13:55	WG1107772
Chloroethane	U		1.44	6.66	1.14	05/07/2018 13:55	WG1107772
Chloroform	U		0.552	3.33	1.14	05/07/2018 13:55	WG1107772
Chloromethane	U		1.85	16.6	1.14	05/07/2018 13:55	WG1107772
Cyclohexane	U		0.676	3.33	1.14	05/07/2018 13:55	WG1107772
1,2-Dibromo-3-Chloropropane	U		6.78	33.3	1.14	05/07/2018 13:55	WG1107772
1,2-Dibromoethane	U		0.698	3.33	1.14	05/07/2018 13:55	WG1107772
Dichlorodifluoromethane	U		1.09	3.33	1.14	05/07/2018 13:55	WG1107772
1,1-Dichloroethane	U		0.766	3.33	1.14	05/07/2018 13:55	WG1107772
1,2-Dichloroethane	U		0.633	3.33	1.14	05/07/2018 13:55	WG1107772
1,2-Dichlorobenzene	U		1.93	6.66	1.14	05/07/2018 13:55	WG1107772
1,3-Dichlorobenzene	U		2.27	6.66	1.14	05/07/2018 13:55	WG1107772
1,4-Dichlorobenzene	U		2.62	6.66	1.14	05/07/2018 13:55	WG1107772
1,1-Dichloroethene	U		0.666	3.33	1.14	05/07/2018 13:55	WG1107772
cis-1,2-Dichloroethene	2.03	J	0.919	3.33	1.14	05/07/2018 13:55	WG1107772
trans-1,2-Dichloroethene	U		1.90	6.66	1.14	05/07/2018 13:55	WG1107772
1,2-Dichloropropane	U		1.69	6.66	1.14	05/07/2018 13:55	WG1107772
cis-1,3-Dichloropropene	U		0.903	3.33	1.14	05/07/2018 13:55	WG1107772
trans-1,3-Dichloropropene	U		2.03	6.66	1.14	05/07/2018 13:55	WG1107772
Ethylbenzene	U		0.705	3.33	1.14	05/07/2018 13:55	WG1107772
2-Hexanone	U		13.3	33.3	1.14	05/07/2018 13:55	WG1107772
Isopropylbenzene	U		1.15	3.33	1.14	05/07/2018 13:55	WG1107772
2-Butanone (MEK)	U		16.6	33.3	1.14	05/07/2018 13:55	WG1107772
Methyl Acetate	21.1		2.79	6.66	1.14	05/08/2018 16:06	WG1108339
Methyl Cyclohexane	U		1.37	6.66	1.14	05/07/2018 13:55	WG1107772
Methylene Chloride	U		8.84	33.3	1.14	05/07/2018 13:55	WG1107772
4-Methyl-2-pentanone (MIBK)	U		13.3	33.3	1.14	05/07/2018 13:55	WG1107772
Methyl tert-butyl ether	1.21	J	0.392	1.33	1.14	05/07/2018 13:55	WG1107772
Naphthalene	U		4.16	16.6	1.14	05/07/2018 13:55	WG1107772
Styrene	U		3.63	16.6	1.14	05/07/2018 13:55	WG1107772
1,1,2,2-Tetrachloroethane	U		0.520	3.33	1.14	05/07/2018 13:55	WG1107772
Tetrachloroethene	2.71	J	0.932	3.33	1.14	05/07/2018 13:55	WG1107772
Toluene	U		1.66	6.66	1.14	05/07/2018 13:55	WG1107772
1,2,3-Trichlorobenzene	U		0.831	3.33	1.14	05/07/2018 13:55	WG1107772
1,2,4-Trichlorobenzene	U		6.41	16.6	1.14	05/07/2018 13:55	WG1107772
1,1,1-Trichloroethane	U		0.367	3.33	1.14	05/07/2018 13:55	WG1107772
1,1,2-Trichloroethane	U		1.18	3.33	1.14	05/07/2018 13:55	WG1107772
Trichloroethene	1.19	J	0.532	1.33	1.14	05/07/2018 13:55	WG1107772
Trichlorofluoromethane	U		0.666	3.33	1.14	05/07/2018 13:55	WG1107772
1,1,2-Trichlorotrifluoroethane	U		0.899	3.33	1.14	05/07/2018 13:55	WG1107772
Vinyl chloride	U		0.910	3.33	1.14	05/07/2018 13:55	WG1107772

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	U		1.33	3.33	1.14	05/07/2018 13:55	WG1107772
m&p-Xylenes	U		2.00	5.32	1.14	05/07/2018 13:55	WG1107772
n-Butylbenzene	U		5.11	16.6	1.14	05/07/2018 13:55	WG1107772
sec-Butylbenzene	U		3.36	16.6	1.14	05/07/2018 13:55	WG1107772
tert-Butylbenzene	U		2.07	6.66	1.14	05/07/2018 13:55	WG1107772
1,2,4-Trimethylbenzene	U		1.54	6.66	1.14	05/07/2018 13:55	WG1107772
1,3,5-Trimethylbenzene	U		1.44	6.66	1.14	05/07/2018 13:55	WG1107772
n-Propylbenzene	U		1.56	6.66	1.14	05/07/2018 13:55	WG1107772
p-Isopropyltoluene	U		3.11	6.66	1.14	05/07/2018 13:55	WG1107772
(S) Toluene-d8	*60.6*	J2		*80.0-120*		*05/07/2018 13:55*	WG1107772
(S) Toluene-d8	*117*			*80.0-120*		*05/08/2018 16:06*	WG1108339
(S) Dibromofluoromethane	*89.2*			*74.0-131*		*05/07/2018 13:55*	WG1107772
(S) Dibromofluoromethane	*89.1*			*74.0-131*		*05/08/2018 16:06*	WG1108339
(S) a,a,a-Trifluorotoluene	*98.5*			*80.0-120*		*05/07/2018 13:55*	WG1107772
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*		*05/08/2018 16:06*	WG1108339
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*05/07/2018 13:55*	WG1107772
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*05/08/2018 16:06*	WG1108339

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	U		8.50	38.5	1	05/10/2018 17:48	WG1108965
Acenaphthylene	U		8.77	38.5	1	05/10/2018 17:48	WG1108965
Acenaphthene	U		8.61	38.5	1	05/10/2018 17:48	WG1108965
Benzo(a)anthracene	U		5.00	38.5	1	05/10/2018 17:48	WG1108965
Benzo(a)pyrene	U		5.86	38.5	1	05/10/2018 17:48	WG1108965
Benzo(b)fluoranthene	U		8.12	38.5	1	05/10/2018 17:48	WG1108965
Benzo(g,h,i)perylene	U		8.42	38.5	1	05/10/2018 17:48	WG1108965
Benzo(k)fluoranthene	U		5.91	38.5	1	05/10/2018 17:48	WG1108965
Chrysene	U		9.17	38.5	1	05/10/2018 17:48	WG1108965
Dibenz(a,h)anthracene	U		6.90	38.5	1	05/10/2018 17:48	WG1108965
Fluoranthene	U		8.27	38.5	1	05/10/2018 17:48	WG1108965
Fluorene	U		8.40	38.5	1	05/10/2018 17:48	WG1108965
Indeno(1,2,3-cd)pyrene	U		6.55	38.5	1	05/10/2018 17:48	WG1108965
Naphthalene	U		5.99	38.5	1	05/10/2018 17:48	WG1108965
Phenanthrene	U		8.29	38.5	1	05/10/2018 17:48	WG1108965
Pyrene	U		9.06	38.5	1	05/10/2018 17:48	WG1108965
(S) Nitrobenzene-d5	*91.2*			*31.0-146*		*05/10/2018 17:48*	WG1108965
(S) 2-Fluorobiphenyl	*96.1*			*31.0-130*		*05/10/2018 17:48*	WG1108965
(S) p-Terphenyl-d14	*85.7*			*20.0-127*		*05/10/2018 17:48*	WG1108965

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/03/2018 05:25	WG1106220
Benzene	U		0.331	1.00	1	05/03/2018 05:25	WG1106220
Bromochloromethane	U		0.520	1.00	1	05/03/2018 05:25	WG1106220
Bromodichloromethane	U		0.380	1.00	1	05/03/2018 05:25	WG1106220
Bromoform	U		0.469	1.00	1	05/03/2018 05:25	WG1106220
Bromomethane	U		0.866	5.00	1	05/03/2018 05:25	WG1106220
Carbon disulfide	U		0.275	1.00	1	05/03/2018 05:25	WG1106220
Carbon tetrachloride	U		0.379	1.00	1	05/03/2018 05:25	WG1106220
Chlorobenzene	U		0.348	1.00	1	05/03/2018 05:25	WG1106220
Chlorodibromomethane	U		0.327	1.00	1	05/03/2018 05:25	WG1106220
Chloroethane	U		0.453	5.00	1	05/03/2018 05:25	WG1106220
Chloroform	0.742	J	0.324	5.00	1	05/03/2018 05:25	WG1106220
Chloromethane	U		0.276	2.50	1	05/03/2018 05:25	WG1106220
Cyclohexane	U		0.390	1.00	1	05/03/2018 05:25	WG1106220
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/03/2018 05:25	WG1106220
1,2-Dibromoethane	U		0.381	1.00	1	05/03/2018 05:25	WG1106220
1,2-Dichlorobenzene	U		0.349	1.00	1	05/03/2018 05:25	WG1106220
1,3-Dichlorobenzene	U		0.220	1.00	1	05/03/2018 05:25	WG1106220
1,4-Dichlorobenzene	U		0.274	1.00	1	05/03/2018 05:25	WG1106220
Dichlorodifluoromethane	U		0.551	5.00	1	05/03/2018 05:25	WG1106220
1,1-Dichloroethane	U		0.259	1.00	1	05/03/2018 05:25	WG1106220
1,2-Dichloroethane	U		0.361	1.00	1	05/03/2018 05:25	WG1106220
1,1-Dichloroethene	U		0.398	1.00	1	05/03/2018 05:25	WG1106220
cis-1,2-Dichloroethene	168		26.0	100	100	05/07/2018 11:41	WG1106220
trans-1,2-Dichloroethene	3.85		0.396	1.00	1	05/03/2018 05:25	WG1106220
1,2-Dichloropropane	U		0.306	1.00	1	05/03/2018 05:25	WG1106220
cis-1,3-Dichloropropene	U		0.418	1.00	1	05/03/2018 05:25	WG1106220
trans-1,3-Dichloropropene	U		0.419	1.00	1	05/03/2018 05:25	WG1106220
Ethylbenzene	U		0.384	1.00	1	05/03/2018 05:25	WG1106220
2-Hexanone	U		3.82	10.0	1	05/03/2018 05:25	WG1106220
Isopropylbenzene	U		0.326	1.00	1	05/03/2018 05:25	WG1106220
2-Butanone (MEK)	U		3.93	10.0	1	05/03/2018 05:25	WG1106220
Methyl Acetate	U		4.30	20.0	1	05/03/2018 05:25	WG1106220
Methyl Cyclohexane	U		0.380	1.00	1	05/03/2018 05:25	WG1106220
Methylene Chloride	U		1.00	5.00	1	05/03/2018 05:25	WG1106220
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/03/2018 05:25	WG1106220
Methyl tert-butyl ether	U		0.367	1.00	1	05/03/2018 05:25	WG1106220
Naphthalene	U		1.00	5.00	1	05/03/2018 05:25	WG1106220
Styrene	U		0.307	1.00	1	05/03/2018 05:25	WG1106220
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/03/2018 05:25	WG1106220
Tetrachloroethene	1860		37.2	100	100	05/07/2018 11:41	WG1106220
Toluene	U		0.412	1.00	1	05/03/2018 05:25	WG1106220
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/03/2018 05:25	WG1106220
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/03/2018 05:25	WG1106220
1,1,1-Trichloroethane	U		0.319	1.00	1	05/03/2018 05:25	WG1106220
1,1,2-Trichloroethane	U		0.383	1.00	1	05/03/2018 05:25	WG1106220
Trichloroethene	72.8		0.398	1.00	1	05/03/2018 05:25	WG1106220
Trichlorofluoromethane	U		1.20	5.00	1	05/03/2018 05:25	WG1106220
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/03/2018 05:25	WG1106220
Vinyl chloride	0.666	J	0.259	1.00	1	05/03/2018 05:25	WG1106220
o-Xylene	U		0.341	1.00	1	05/03/2018 05:25	WG1106220
m&p-Xylenes	U		0.719	2.00	1	05/03/2018 05:25	WG1106220
n-Butylbenzene	U		0.361	1.00	1	05/03/2018 05:25	WG1106220
sec-Butylbenzene	U		0.365	1.00	1	05/03/2018 05:25	WG1106220
tert-Butylbenzene	U		0.399	1.00	1	05/03/2018 05:25	WG1106220
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/03/2018 05:25	WG1106220

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/03/2018 05:25	WG1106220
n-Propylbenzene	U		0.349	1.00	1	05/03/2018 05:25	WG1106220
p-Isopropyltoluene	U		0.350	1.00	1	05/03/2018 05:25	WG1106220
(S) Toluene-d8	*107*			*80.0-120*		*05/07/2018 11:41*	WG1106220
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 05:25*	WG1106220
(S) Dibromofluoromethane	*97.1*			*76.0-123*		*05/07/2018 11:41*	WG1106220
(S) Dibromofluoromethane	*101*			*76.0-123*		*05/03/2018 05:25*	WG1106220
(S) a,a,a-Trifluorotoluene	*106*			*80.0-120*		*05/07/2018 11:41*	WG1106220
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*		*05/03/2018 05:25*	WG1106220
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*05/03/2018 05:25*	WG1106220
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*05/07/2018 11:41*	WG1106220

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.323	1.11	1.11	05/08/2018 15:30	WG1107320
Acenaphthylene	U		0.343	1.11	1.11	05/08/2018 15:30	WG1107320
Acenaphthene	U		0.351	1.11	1.11	05/08/2018 15:30	WG1107320
Benzo(a)anthracene	U		0.108	1.11	1.11	05/08/2018 15:30	WG1107320
Benzo(a)pyrene	U		0.377	1.11	1.11	05/08/2018 15:30	WG1107320
Benzo(b)fluoranthene	U		0.0994	1.11	1.11	05/08/2018 15:30	WG1107320
Benzo(g,h,i)perylene	U		0.179	1.11	1.11	05/08/2018 15:30	WG1107320
Benzo(k)fluoranthene	U		0.394	1.11	1.11	05/08/2018 15:30	WG1107320
Chrysene	U		0.368	1.11	1.11	05/08/2018 15:30	WG1107320
Dibenz(a,h)anthracene	U		0.310	1.11	1.11	05/08/2018 15:30	WG1107320
Fluoranthene	U		0.344	1.11	1.11	05/08/2018 15:30	WG1107320
Fluorene	U		0.358	1.11	1.11	05/08/2018 15:30	WG1107320
Indeno(1,2,3-cd)pyrene	U		0.310	1.11	1.11	05/08/2018 15:30	WG1107320
Naphthalene	U		0.0330	1.11	1.11	05/08/2018 15:30	WG1107320
Phenanthrene	U		0.406	1.11	1.11	05/08/2018 15:30	WG1107320
Pyrene	U		0.366	1.11	1.11	05/08/2018 15:30	WG1107320
(S) Nitrobenzene-d5	*44.2*			*10.0-147*		*05/08/2018 15:30*	WG1107320
(S) 2-Fluorobiphenyl	*83.3*			*15.0-137*		*05/08/2018 15:30*	WG1107320
(S) p-Terphenyl-d14	*76.7*			*12.0-126*		*05/08/2018 15:30*	WG1107320

Sample Narrative:

L990371-06 WG1107320: Dilution due to sample volume

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		20.0	100	2	05/07/2018 12:00	WG1106220
Benzene	U		0.662	2.00	2	05/07/2018 12:00	WG1106220
Bromochloromethane	U		1.04	2.00	2	05/07/2018 12:00	WG1106220
Bromodichloromethane	U		0.760	2.00	2	05/07/2018 12:00	WG1106220
Bromoform	U		0.938	2.00	2	05/07/2018 12:00	WG1106220
Bromomethane	U		1.73	10.0	2	05/07/2018 12:00	WG1106220
Carbon disulfide	U		0.550	2.00	2	05/07/2018 12:00	WG1106220
Carbon tetrachloride	U		0.758	2.00	2	05/07/2018 12:00	WG1106220
Chlorobenzene	U		0.696	2.00	2	05/07/2018 12:00	WG1106220
Chlorodibromomethane	U		0.654	2.00	2	05/07/2018 12:00	WG1106220
Chloroethane	U		0.906	10.0	2	05/07/2018 12:00	WG1106220
Chloroform	U		0.648	10.0	2	05/07/2018 12:00	WG1106220
Chloromethane	U		0.552	5.00	2	05/07/2018 12:00	WG1106220
Cyclohexane	3.31		0.780	2.00	2	05/07/2018 12:00	WG1106220
1,2-Dibromo-3-Chloropropane	U		2.66	10.0	2	05/07/2018 12:00	WG1106220
1,2-Dibromoethane	U		0.762	2.00	2	05/07/2018 12:00	WG1106220
1,2-Dichlorobenzene	U		0.698	2.00	2	05/07/2018 12:00	WG1106220
1,3-Dichlorobenzene	U		0.440	2.00	2	05/07/2018 12:00	WG1106220
1,4-Dichlorobenzene	U		0.548	2.00	2	05/07/2018 12:00	WG1106220
Dichlorodifluoromethane	U		1.10	10.0	2	05/07/2018 12:00	WG1106220
1,1-Dichloroethane	U		0.518	2.00	2	05/07/2018 12:00	WG1106220
1,2-Dichloroethane	U		0.722	2.00	2	05/07/2018 12:00	WG1106220
1,1-Dichloroethene	U		0.796	2.00	2	05/07/2018 12:00	WG1106220
cis-1,2-Dichloroethene	6.76		0.520	2.00	2	05/07/2018 12:00	WG1106220
trans-1,2-Dichloroethene	U		0.792	2.00	2	05/07/2018 12:00	WG1106220
1,2-Dichloropropane	U		0.612	2.00	2	05/07/2018 12:00	WG1106220
cis-1,3-Dichloropropene	U		0.836	2.00	2	05/07/2018 12:00	WG1106220
trans-1,3-Dichloropropene	U		0.838	2.00	2	05/07/2018 12:00	WG1106220
Ethylbenzene	U		0.768	2.00	2	05/07/2018 12:00	WG1106220
2-Hexanone	U		7.64	20.0	2	05/07/2018 12:00	WG1106220
Isopropylbenzene	U		0.652	2.00	2	05/07/2018 12:00	WG1106220
2-Butanone (MEK)	U		7.86	20.0	2	05/07/2018 12:00	WG1106220
Methyl Acetate	U		8.60	40.0	2	05/07/2018 12:00	WG1106220
Methyl Cyclohexane	U		0.760	2.00	2	05/07/2018 12:00	WG1106220
Methylene Chloride	U		2.00	10.0	2	05/07/2018 12:00	WG1106220
4-Methyl-2-pentanone (MIBK)	U		4.28	20.0	2	05/07/2018 12:00	WG1106220
Methyl tert-butyl ether	U		0.734	2.00	2	05/07/2018 12:00	WG1106220
Naphthalene	U		2.00	10.0	2	05/07/2018 12:00	WG1106220
Styrene	U		0.614	2.00	2	05/07/2018 12:00	WG1106220
1,1,2,2-Tetrachloroethane	U		0.260	2.00	2	05/07/2018 12:00	WG1106220
Tetrachloroethene	4.45		0.744	2.00	2	05/07/2018 12:00	WG1106220
Toluene	U		0.824	2.00	2	05/07/2018 12:00	WG1106220
1,2,3-Trichlorobenzene	U		0.460	2.00	2	05/07/2018 12:00	WG1106220
1,2,4-Trichlorobenzene	U		0.710	2.00	2	05/07/2018 12:00	WG1106220
1,1,1-Trichloroethane	U		0.638	2.00	2	05/07/2018 12:00	WG1106220
1,1,2-Trichloroethane	U		0.766	2.00	2	05/07/2018 12:00	WG1106220
Trichloroethene	U		0.796	2.00	2	05/07/2018 12:00	WG1106220
Trichlorofluoromethane	U		2.40	10.0	2	05/07/2018 12:00	WG1106220
1,1,2-Trichlorotrifluoroethane	U		0.606	2.00	2	05/07/2018 12:00	WG1106220
Vinyl chloride	10.7		0.518	2.00	2	05/07/2018 12:00	WG1106220
o-Xylene	U		0.682	2.00	2	05/07/2018 12:00	WG1106220
m&p-Xylenes	U		1.44	4.00	2	05/07/2018 12:00	WG1106220
n-Butylbenzene	U		0.722	2.00	2	05/07/2018 12:00	WG1106220
sec-Butylbenzene	U		0.730	2.00	2	05/07/2018 12:00	WG1106220
tert-Butylbenzene	U		0.798	2.00	2	05/07/2018 12:00	WG1106220
1,2,4-Trimethylbenzene	U		0.746	2.00	2	05/07/2018 12:00	WG1106220

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3,5-Trimethylbenzene	U		0.774	2.00	2	05/07/2018 12:00	WG1106220
n-Propylbenzene	U		0.698	2.00	2	05/07/2018 12:00	WG1106220
p-Isopropyltoluene	U		0.700	2.00	2	05/07/2018 12:00	WG1106220
(S) Toluene-d8	*115*			*80.0-120*		*05/07/2018 12:00*	WG1106220
(S) Dibromofluoromethane	*84.6*			*76.0-123*		*05/07/2018 12:00*	WG1106220
(S) a,a,a-Trifluorotoluene	*115*			*80.0-120*		*05/07/2018 12:00*	WG1106220
(S) 4-Bromofluorobenzene	*95.5*			*80.0-120*		*05/07/2018 12:00*	WG1106220

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.416	1.43	1.43	05/08/2018 15:56	WG1107320
Acenaphthylene	U		0.442	1.43	1.43	05/08/2018 15:56	WG1107320
Acenaphthene	U		0.452	1.43	1.43	05/08/2018 15:56	WG1107320
Benzo(a)anthracene	0.200	J	0.139	1.43	1.43	05/08/2018 15:56	WG1107320
Benzo(a)pyrene	U		0.486	1.43	1.43	05/08/2018 15:56	WG1107320
Benzo(b)fluoranthene	0.132	J	0.128	1.43	1.43	05/08/2018 15:56	WG1107320
Benzo(g,h,i)perylene	U		0.230	1.43	1.43	05/08/2018 15:56	WG1107320
Benzo(k)fluoranthene	U		0.508	1.43	1.43	05/08/2018 15:56	WG1107320
Chrysene	U		0.475	1.43	1.43	05/08/2018 15:56	WG1107320
Dibenz(a,h)anthracene	U		0.399	1.43	1.43	05/08/2018 15:56	WG1107320
Fluoranthene	0.655	J	0.443	1.43	1.43	05/08/2018 15:56	WG1107320
Fluorene	U		0.462	1.43	1.43	05/08/2018 15:56	WG1107320
Indeno(1,2,3-cd)pyrene	U		0.399	1.43	1.43	05/08/2018 15:56	WG1107320
Naphthalene	0.0672	J	0.0425	1.43	1.43	05/08/2018 15:56	WG1107320
Phenanthrene	U		0.523	1.43	1.43	05/08/2018 15:56	WG1107320
Pyrene	0.476	J	0.472	1.43	1.43	05/08/2018 15:56	WG1107320
(S) Nitrobenzene-d5	*40.7*			*10.0-147*		*05/08/2018 15:56*	WG1107320
(S) 2-Fluorobiphenyl	*76.8*			*15.0-137*		*05/08/2018 15:56*	WG1107320
(S) p-Terphenyl-d14	*59.0*			*12.0-126*		*05/08/2018 15:56*	WG1107320

Sample Narrative:

L990371-07 WG1107320: Dilution due to sample volume

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	05/03/2018 06:04	WG1106220
Benzene	19.5		3.31	10.0	10	05/03/2018 06:04	WG1106220
Bromochloromethane	U		5.20	10.0	10	05/03/2018 06:04	WG1106220
Bromodichloromethane	U		3.80	10.0	10	05/03/2018 06:04	WG1106220
Bromoform	U		4.69	10.0	10	05/03/2018 06:04	WG1106220
Bromomethane	U		8.66	50.0	10	05/03/2018 06:04	WG1106220
Carbon disulfide	U		2.75	10.0	10	05/03/2018 06:04	WG1106220
Carbon tetrachloride	U		3.79	10.0	10	05/03/2018 06:04	WG1106220
Chlorobenzene	U		3.48	10.0	10	05/03/2018 06:04	WG1106220
Chlorodibromomethane	U		3.27	10.0	10	05/03/2018 06:04	WG1106220
Chloroethane	U		4.53	50.0	10	05/03/2018 06:04	WG1106220
Chloroform	U		3.24	50.0	10	05/03/2018 06:04	WG1106220
Chloromethane	U		2.76	25.0	10	05/03/2018 06:04	WG1106220
Cyclohexane	U		3.90	10.0	10	05/03/2018 06:04	WG1106220
1,2-Dibromo-3-Chloropropane	U		13.3	50.0	10	05/03/2018 06:04	WG1106220
1,2-Dibromoethane	U		3.81	10.0	10	05/03/2018 06:04	WG1106220
1,2-Dichlorobenzene	U		3.49	10.0	10	05/03/2018 06:04	WG1106220
1,3-Dichlorobenzene	U		2.20	10.0	10	05/03/2018 06:04	WG1106220
1,4-Dichlorobenzene	U		2.74	10.0	10	05/03/2018 06:04	WG1106220
Dichlorodifluoromethane	U		5.51	50.0	10	05/03/2018 06:04	WG1106220
1,1-Dichloroethane	U		2.59	10.0	10	05/03/2018 06:04	WG1106220
1,2-Dichloroethane	U		3.61	10.0	10	05/03/2018 06:04	WG1106220
1,1-Dichloroethene	U		3.98	10.0	10	05/03/2018 06:04	WG1106220
cis-1,2-Dichloroethene	11.2		2.60	10.0	10	05/03/2018 06:04	WG1106220
trans-1,2-Dichloroethene	U		3.96	10.0	10	05/03/2018 06:04	WG1106220
1,2-Dichloropropane	U		3.06	10.0	10	05/03/2018 06:04	WG1106220
cis-1,3-Dichloropropene	U		4.18	10.0	10	05/03/2018 06:04	WG1106220
trans-1,3-Dichloropropene	U		4.19	10.0	10	05/03/2018 06:04	WG1106220
Ethylbenzene	U		3.84	10.0	10	05/03/2018 06:04	WG1106220
2-Hexanone	U		38.2	100	10	05/03/2018 06:04	WG1106220
Isopropylbenzene	U		3.26	10.0	10	05/03/2018 06:04	WG1106220
2-Butanone (MEK)	U		39.3	100	10	05/03/2018 06:04	WG1106220
Methyl Acetate	U		43.0	200	10	05/03/2018 06:04	WG1106220
Methyl Cyclohexane	U		3.80	10.0	10	05/03/2018 06:04	WG1106220
Methylene Chloride	U		10.0	50.0	10	05/03/2018 06:04	WG1106220
4-Methyl-2-pentanone (MIBK)	U		21.4	100	10	05/03/2018 06:04	WG1106220
Methyl tert-butyl ether	U		3.67	10.0	10	05/03/2018 06:04	WG1106220
Naphthalene	U		10.0	50.0	10	05/03/2018 06:04	WG1106220
Styrene	U		3.07	10.0	10	05/03/2018 06:04	WG1106220
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	05/03/2018 06:04	WG1106220
Tetrachloroethene	116		3.72	10.0	10	05/03/2018 06:04	WG1106220
Toluene	40.8		4.12	10.0	10	05/03/2018 06:04	WG1106220
1,2,3-Trichlorobenzene	U		2.30	10.0	10	05/03/2018 06:04	WG1106220
1,2,4-Trichlorobenzene	U		3.55	10.0	10	05/03/2018 06:04	WG1106220
1,1,1-Trichloroethane	U		3.19	10.0	10	05/03/2018 06:04	WG1106220
1,1,2-Trichloroethane	U		3.83	10.0	10	05/03/2018 06:04	WG1106220
Trichloroethene	U		3.98	10.0	10	05/03/2018 06:04	WG1106220
Trichlorofluoromethane	U		12.0	50.0	10	05/03/2018 06:04	WG1106220
1,1,2-Trichlorotrifluoroethane	U		3.03	10.0	10	05/03/2018 06:04	WG1106220
Vinyl chloride	U		2.59	10.0	10	05/03/2018 06:04	WG1106220
o-Xylene	8.82	J	3.41	10.0	10	05/03/2018 06:04	WG1106220
m&p-Xylenes	20.3		7.19	20.0	10	05/03/2018 06:04	WG1106220
n-Butylbenzene	U		3.61	10.0	10	05/03/2018 06:04	WG1106220
sec-Butylbenzene	U		3.65	10.0	10	05/03/2018 06:04	WG1106220
tert-Butylbenzene	U		3.99	10.0	10	05/03/2018 06:04	WG1106220
1,2,4-Trimethylbenzene	5.30	J	3.73	10.0	10	05/03/2018 06:04	WG1106220

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		3.87	10.0	10	05/03/2018 06:04	WG1106220
n-Propylbenzene	U		3.49	10.0	10	05/03/2018 06:04	WG1106220
p-Isopropyltoluene	U		3.50	10.0	10	05/03/2018 06:04	WG1106220
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 06:04*	WG1106220
(S) Dibromofluoromethane	*102*			*76.0-123*		*05/03/2018 06:04*	WG1106220
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*		*05/03/2018 06:04*	WG1106220
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*05/03/2018 06:04*	WG1106220

Sample Narrative:

L990371-08 WG1106220: Lowest possible dilution due to sediment in sample vial.

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.582	2.00	2	05/08/2018 16:22	WG1107320
Acenaphthylene	U		0.618	2.00	2	05/08/2018 16:22	WG1107320
Acenaphthene	U		0.632	2.00	2	05/08/2018 16:22	WG1107320
Benzo(a)anthracene	0.400	J	0.195	2.00	2	05/08/2018 16:22	WG1107320
Benzo(a)pyrene	U		0.680	2.00	2	05/08/2018 16:22	WG1107320
Benzo(b)fluoranthene	0.416	J	0.179	2.00	2	05/08/2018 16:22	WG1107320
Benzo(g,h,i)perylene	U		0.322	2.00	2	05/08/2018 16:22	WG1107320
Benzo(k)fluoranthene	U		0.710	2.00	2	05/08/2018 16:22	WG1107320
Chrysene	U		0.664	2.00	2	05/08/2018 16:22	WG1107320
Dibenz(a,h)anthracene	U		0.558	2.00	2	05/08/2018 16:22	WG1107320
Fluoranthene	1.71	J	0.620	2.00	2	05/08/2018 16:22	WG1107320
Fluorene	U		0.646	2.00	2	05/08/2018 16:22	WG1107320
Indeno(1,2,3-cd)pyrene	U		0.558	2.00	2	05/08/2018 16:22	WG1107320
Naphthalene	U		0.0594	2.00	2	05/08/2018 16:22	WG1107320
Phenanthrene	0.855	J	0.732	2.00	2	05/08/2018 16:22	WG1107320
Pyrene	1.08	J	0.660	2.00	2	05/08/2018 16:22	WG1107320
(S) Nitrobenzene-d5	*44.2*			*10.0-147*		*05/08/2018 16:22*	WG1107320
(S) 2-Fluorobiphenyl	*78.9*			*15.0-137*		*05/08/2018 16:22*	WG1107320
(S) p-Terphenyl-d14	*58.8*			*12.0-126*		*05/08/2018 16:22*	WG1107320

Sample Narrative:

L990371-08 WG1107320: Dilution due to sample volume

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/03/2018 06:23	WG1106220
Benzene	U		0.331	1.00	1	05/03/2018 06:23	WG1106220
Bromochloromethane	U		0.520	1.00	1	05/03/2018 06:23	WG1106220
Bromodichloromethane	U		0.380	1.00	1	05/03/2018 06:23	WG1106220
Bromoform	U		0.469	1.00	1	05/03/2018 06:23	WG1106220
Bromomethane	U		0.866	5.00	1	05/03/2018 06:23	WG1106220
Carbon disulfide	U		0.275	1.00	1	05/03/2018 06:23	WG1106220
Carbon tetrachloride	U		0.379	1.00	1	05/03/2018 06:23	WG1106220
Chlorobenzene	U		0.348	1.00	1	05/03/2018 06:23	WG1106220
Chlorodibromomethane	U		0.327	1.00	1	05/03/2018 06:23	WG1106220
Chloroethane	U		0.453	5.00	1	05/03/2018 06:23	WG1106220
Chloroform	U		0.324	5.00	1	05/03/2018 06:23	WG1106220
Chloromethane	U		0.276	2.50	1	05/03/2018 06:23	WG1106220
Cyclohexane	U		0.390	1.00	1	05/03/2018 06:23	WG1106220
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/03/2018 06:23	WG1106220
1,2-Dibromoethane	U		0.381	1.00	1	05/03/2018 06:23	WG1106220
1,2-Dichlorobenzene	U		0.349	1.00	1	05/03/2018 06:23	WG1106220
1,3-Dichlorobenzene	U		0.220	1.00	1	05/03/2018 06:23	WG1106220
1,4-Dichlorobenzene	U		0.274	1.00	1	05/03/2018 06:23	WG1106220
Dichlorodifluoromethane	U		0.551	5.00	1	05/03/2018 06:23	WG1106220
1,1-Dichloroethane	U		0.259	1.00	1	05/03/2018 06:23	WG1106220
1,2-Dichloroethane	U		0.361	1.00	1	05/03/2018 06:23	WG1106220
1,1-Dichloroethene	U		0.398	1.00	1	05/03/2018 06:23	WG1106220
cis-1,2-Dichloroethene	U		0.260	1.00	1	05/03/2018 06:23	WG1106220
trans-1,2-Dichloroethene	U		0.396	1.00	1	05/03/2018 06:23	WG1106220
1,2-Dichloropropane	U		0.306	1.00	1	05/03/2018 06:23	WG1106220
cis-1,3-Dichloropropene	U		0.418	1.00	1	05/03/2018 06:23	WG1106220
trans-1,3-Dichloropropene	U		0.419	1.00	1	05/03/2018 06:23	WG1106220
Ethylbenzene	U		0.384	1.00	1	05/03/2018 06:23	WG1106220
2-Hexanone	U		3.82	10.0	1	05/03/2018 06:23	WG1106220
Isopropylbenzene	U		0.326	1.00	1	05/03/2018 06:23	WG1106220
2-Butanone (MEK)	U		3.93	10.0	1	05/03/2018 06:23	WG1106220
Methyl Acetate	U		4.30	20.0	1	05/03/2018 06:23	WG1106220
Methyl Cyclohexane	U		0.380	1.00	1	05/03/2018 06:23	WG1106220
Methylene Chloride	U		1.00	5.00	1	05/03/2018 06:23	WG1106220
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/03/2018 06:23	WG1106220
Methyl tert-butyl ether	U		0.367	1.00	1	05/03/2018 06:23	WG1106220
Naphthalene	U		1.00	5.00	1	05/03/2018 06:23	WG1106220
Styrene	U		0.307	1.00	1	05/03/2018 06:23	WG1106220
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/03/2018 06:23	WG1106220
Tetrachloroethene	U		0.372	1.00	1	05/03/2018 06:23	WG1106220
Toluene	U		0.412	1.00	1	05/03/2018 06:23	WG1106220
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/03/2018 06:23	WG1106220
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/03/2018 06:23	WG1106220
1,1,1-Trichloroethane	U		0.319	1.00	1	05/03/2018 06:23	WG1106220
1,1,2-Trichloroethane	U		0.383	1.00	1	05/03/2018 06:23	WG1106220
Trichloroethene	U		0.398	1.00	1	05/03/2018 06:23	WG1106220
Trichlorofluoromethane	U		1.20	5.00	1	05/03/2018 06:23	WG1106220
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/03/2018 06:23	WG1106220
Vinyl chloride	U		0.259	1.00	1	05/03/2018 06:23	WG1106220
o-Xylene	U		0.341	1.00	1	05/03/2018 06:23	WG1106220
m&p-Xylenes	U		0.719	2.00	1	05/03/2018 06:23	WG1106220
n-Butylbenzene	U		0.361	1.00	1	05/03/2018 06:23	WG1106220
sec-Butylbenzene	U		0.365	1.00	1	05/03/2018 06:23	WG1106220
tert-Butylbenzene	U		0.399	1.00	1	05/03/2018 06:23	WG1106220
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/03/2018 06:23	WG1106220

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/03/2018 06:23	WG1106220
n-Propylbenzene	U		0.349	1.00	1	05/03/2018 06:23	WG1106220
p-Isopropyltoluene	U		0.350	1.00	1	05/03/2018 06:23	WG1106220
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 06:23*	WG1106220
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*05/03/2018 06:23*	WG1106220
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*		*05/03/2018 06:23*	WG1106220
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*05/03/2018 06:23*	WG1106220

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.486	1.67	1.67	05/08/2018 16:47	WG1107320
Acenaphthylene	U		0.516	1.67	1.67	05/08/2018 16:47	WG1107320
Acenaphthene	U		0.528	1.67	1.67	05/08/2018 16:47	WG1107320
Benzo(a)anthracene	U		0.163	1.67	1.67	05/08/2018 16:47	WG1107320
Benzo(a)pyrene	U		0.568	1.67	1.67	05/08/2018 16:47	WG1107320
Benzo(b)fluoranthene	U		0.150	1.67	1.67	05/08/2018 16:47	WG1107320
Benzo(g,h,i)perylene	U		0.269	1.67	1.67	05/08/2018 16:47	WG1107320
Benzo(k)fluoranthene	U		0.593	1.67	1.67	05/08/2018 16:47	WG1107320
Chrysene	U		0.554	1.67	1.67	05/08/2018 16:47	WG1107320
Dibenz(a,h)anthracene	U		0.466	1.67	1.67	05/08/2018 16:47	WG1107320
Fluoranthene	U		0.518	1.67	1.67	05/08/2018 16:47	WG1107320
Fluorene	U		0.539	1.67	1.67	05/08/2018 16:47	WG1107320
Indeno(1,2,3-cd)pyrene	U		0.466	1.67	1.67	05/08/2018 16:47	WG1107320
Naphthalene	U		0.0496	1.67	1.67	05/08/2018 16:47	WG1107320
Phenanthrene	U		0.611	1.67	1.67	05/08/2018 16:47	WG1107320
Pyrene	U		0.551	1.67	1.67	05/08/2018 16:47	WG1107320
(S) Nitrobenzene-d5	*45.9*			*10.0-147*		*05/08/2018 16:47*	WG1107320
(S) 2-Fluorobiphenyl	*87.8*			*15.0-137*		*05/08/2018 16:47*	WG1107320
(S) p-Terphenyl-d14	*75.3*			*12.0-126*		*05/08/2018 16:47*	WG1107320

Sample Narrative:

L990371-09 WG1107320: Dilution due to sample volume

Method Blank (MB)

(MB) R3308107-1 05/08/18 13:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L990370-02 Original Sample (OS) • Duplicate (DUP)

(OS) L990370-02 05/08/18 13:31 • (DUP) R3308107-3 05/08/18 13:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.5	78.3	1	0.272		5

Laboratory Control Sample (LCS)

(LCS) R3308107-2 05/08/18 13:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3307762-1 05/07/18 15:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L990432-03 Original Sample (OS) • Duplicate (DUP)

(OS) L990432-03 05/07/18 15:41 • (DUP) R3307762-3 05/07/18 15:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.7	99.6	1	0.0700		5

Laboratory Control Sample (LCS)

(LCS) R3307762-2 05/07/18 15:41

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3306922-2 05/02/18 23:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

Method Blank (MB)

(MB) R3306922-2 05/02/18 23:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*104*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3306922-1 05/02/18 22:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	128	102	10.0-160	
Benzene	25.0	26.0	104	69.0-123	
Bromodichloromethane	25.0	25.5	102	76.0-120	
Bromochloromethane	25.0	30.1	120	76.0-122	
Bromoform	25.0	27.7	111	67.0-132	
Bromomethane	25.0	30.8	123	18.0-160	
n-Butylbenzene	25.0	28.4	114	72.0-126	
sec-Butylbenzene	25.0	27.8	111	74.0-121	
tert-Butylbenzene	25.0	28.0	112	75.0-122	
Carbon disulfide	25.0	25.8	103	55.0-127	

Laboratory Control Sample (LCS)

(LCS) R3306922-1 05/02/18 22:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Carbon tetrachloride	25.0	25.5	102	63.0-122	
Chlorobenzene	25.0	28.0	112	79.0-121	
Chlorodibromomethane	25.0	27.6	110	75.0-125	
Chloroethane	25.0	23.6	94.5	47.0-152	
Chloroform	25.0	25.6	102	72.0-121	
Chloromethane	25.0	26.2	105	48.0-139	
Cyclohexane	25.0	28.9	116	70.0-130	
1,2-Dibromo-3-Chloropropane	25.0	27.3	109	64.0-127	
1,2-Dibromoethane	25.0	27.9	111	77.0-123	
1,2-Dichlorobenzene	25.0	27.7	111	80.0-120	
1,3-Dichlorobenzene	25.0	28.3	113	72.0-123	
1,4-Dichlorobenzene	25.0	25.6	102	77.0-120	
Dichlorodifluoromethane	25.0	28.9	116	49.0-155	
1,1-Dichloroethane	25.0	26.8	107	70.0-126	
1,2-Dichloroethane	25.0	26.5	106	67.0-126	
1,1-Dichloroethene	25.0	28.8	115	64.0-129	
cis-1,2-Dichloroethene	25.0	27.3	109	73.0-120	
trans-1,2-Dichloroethene	25.0	26.2	105	71.0-121	
1,2-Dichloropropane	25.0	26.1	104	75.0-125	
cis-1,3-Dichloropropene	25.0	28.5	114	79.0-123	
trans-1,3-Dichloropropene	25.0	26.0	104	74.0-127	
Ethylbenzene	25.0	26.9	108	77.0-120	
2-Hexanone	125	146	117	58.0-147	
Isopropylbenzene	25.0	28.4	113	75.0-120	
p-Isopropyltoluene	25.0	28.6	114	74.0-126	
2-Butanone (MEK)	125	143	114	37.0-158	
Methyl Acetate	125	133	106	70.0-130	
Methyl Cyclohexane	25.0	25.5	102	70.0-130	
Methylene Chloride	25.0	25.9	104	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	136	109	59.0-143	
Methyl tert-butyl ether	25.0	27.5	110	64.0-123	
Naphthalene	25.0	27.3	109	62.0-128	
n-Propylbenzene	25.0	27.5	110	79.0-120	
Styrene	25.0	30.2	121	78.0-124	
1,1,2,2-Tetrachloroethane	25.0	26.7	107	71.0-122	
Tetrachloroethene	25.0	27.8	111	70.0-127	
Toluene	25.0	26.2	105	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	29.2	117	61.0-136	
1,2,3-Trichlorobenzene	25.0	28.3	113	61.0-133	
1,2,4-Trichlorobenzene	25.0	29.0	116	69.0-129	

Laboratory Control Sample (LCS)

(LCS) R3306922-1 05/02/18 22:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1-Trichloroethane	25.0	27.1	108	68.0-122	
1,1,2-Trichloroethane	25.0	27.5	110	78.0-120	
Trichloroethene	25.0	28.5	114	78.0-120	
Trichlorofluoromethane	25.0	26.3	105	56.0-137	
1,2,4-Trimethylbenzene	25.0	27.5	110	75.0-120	
1,3,5-Trimethylbenzene	25.0	27.6	110	75.0-120	
Vinyl chloride	25.0	25.0	100	64.0-133	
o-Xylene	25.0	27.8	111	78.0-120	
m&p-Xylenes	50.0	54.6	109	77.0-120	
(S) Toluene-d8			*106*	*80.0-120*	
(S) Dibromofluoromethane			*102*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

Method Blank (MB)

(MB) R3307902-3 05/07/18 09:43

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Benzene	U		0.400	1.00
Bromodichloromethane	U		0.788	2.50
Bromochloromethane	U		1.13	5.00
Bromoform	U		5.98	25.0
Bromomethane	U		3.70	12.5
n-Butylbenzene	U		3.84	12.5
sec-Butylbenzene	U		2.53	12.5
tert-Butylbenzene	U		1.55	5.00
Carbon disulfide	U		4.06	12.5
Carbon tetrachloride	U		1.08	5.00
Chlorobenzene	U		0.573	2.50
Chlorodibromomethane	U		0.450	2.50
Chloroethane	U		1.08	5.00
Chloroform	U		0.415	2.50
Chloromethane	U		1.39	12.5
Cyclohexane	U		0.508	2.50
1,2-Dibromo-3-Chloropropane	U		5.10	25.0
1,2-Dibromoethane	U		0.525	2.50
1,2-Dichlorobenzene	U		1.45	5.00
1,3-Dichlorobenzene	U		1.70	5.00
1,4-Dichlorobenzene	U		1.97	5.00
Dichlorodifluoromethane	U		0.818	2.50
1,1-Dichloroethane	U		0.575	2.50
1,2-Dichloroethane	U		0.475	2.50
1,1-Dichloroethene	U		0.500	2.50
cis-1,2-Dichloroethene	U		0.690	2.50
trans-1,2-Dichloroethene	U		1.43	5.00
1,2-Dichloropropane	U		1.27	5.00
cis-1,3-Dichloropropene	U		0.678	2.50
trans-1,3-Dichloropropene	U		1.53	5.00
Ethylbenzene	U		0.530	2.50
2-Hexanone	U		10.0	25.0
Isopropylbenzene	U		0.863	2.50
p-Isopropyltoluene	U		2.33	5.00
2-Butanone (MEK)	U		12.5	25.0
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0
Methyl Cyclohexane	U		1.03	5.00
Methyl tert-butyl ether	U		0.295	1.00
Naphthalene	U		3.12	12.5

Method Blank (MB)

(MB) R3307902-3 05/07/18 09:43

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
n-Propylbenzene	U		1.18	5.00
Styrene	U		2.73	12.5
1,1,2,2-Tetrachloroethane	U		0.390	2.50
Tetrachloroethene	U		0.700	2.50
Toluene	U		1.25	5.00
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50
1,2,3-Trichlorobenzene	U		0.625	2.50
1,2,4-Trichlorobenzene	U		4.82	12.5
1,1,1-Trichloroethane	U		0.275	2.50
1,1,2-Trichloroethane	U		0.883	2.50
Trichloroethene	U		0.400	1.00
Trichlorofluoromethane	U		0.500	2.50
1,2,4-Trimethylbenzene	U		1.16	5.00
1,3,5-Trimethylbenzene	U		1.08	5.00
Vinyl chloride	U		0.683	2.50
o-Xylene	U		1.00	2.50
m&p-Xylenes	U		1.50	4.00
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*78.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*106*			*64.0-132*
(S) a,a,a-Trifluorotoluene	*99.4*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307902-1 05/07/18 08:26 • (LCSD) R3307902-2 05/07/18 08:46

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	125	130	123	104	98.2	72.6-120			5.88	20
Bromodichloromethane	125	124	119	98.9	94.8	75.3-119			4.23	20
Bromoform	125	105	108	84.1	86.3	69.1-135			2.58	20
Bromochloromethane	125	131	124	105	99.6	79.7-123			4.92	20
Bromomethane	125	117	107	93.4	85.7	23.0-191			8.62	20
n-Butylbenzene	125	123	123	98.8	98.7	74.2-134			0.117	20
sec-Butylbenzene	125	114	116	91.2	92.7	77.8-129			1.65	20
tert-Butylbenzene	125	110	112	87.7	89.6	77.2-129			2.15	20
Carbon tetrachloride	125	111	118	89.2	94.5	69.4-129			5.85	20
Carbon disulfide	125	114	106	91.4	85.0	49.9-136			7.26	20
Chlorobenzene	125	117	119	93.3	95.1	78.9-122			1.82	20
Chlorodibromomethane	125	106	106	85.1	85.2	76.4-126			0.0601	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307902-1 05/07/18 08:26 • (LCSD) R3307902-2 05/07/18 08:46

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	123	117	98.0	93.3	47.2-147			4.93	20
Chloroform	125	129	122	103	97.4	73.3-122			5.76	20
Chloromethane	125	138	129	110	104	53.1-135			6.45	20
1,2-Dibromo-3-Chloropropane	125	120	110	95.8	87.7	64.9-131			8.84	20
1,2-Dibromoethane	125	118	121	94.2	96.9	78.7-123			2.85	20
1,2-Dichlorobenzene	125	119	118	95.4	94.1	83.6-119			1.34	20
1,3-Dichlorobenzene	125	118	116	94.0	92.9	75.9-129			1.21	20
1,4-Dichlorobenzene	125	114	111	91.0	88.6	81.0-115			2.71	20
Dichlorodifluoromethane	125	131	120	105	96.0	50.9-139			8.49	20
1,1-Dichloroethane	125	126	117	101	94.0	71.7-125			7.14	20
1,2-Dichloroethane	125	130	126	104	101	67.2-121			3.40	20
1,1-Dichloroethene	125	122	115	97.8	92.2	60.6-133			5.82	20
cis-1,2-Dichloroethene	125	125	118	99.8	94.0	76.1-121			5.99	20
trans-1,2-Dichloroethene	125	121	113	96.9	90.6	70.7-124			6.65	20
1,2-Dichloropropane	125	136	126	109	101	76.9-123			7.95	20
cis-1,3-Dichloropropene	125	113	115	90.5	92.1	77.3-123			1.78	20
trans-1,3-Dichloropropene	125	116	117	92.5	93.6	73.0-127			1.21	20
Ethylbenzene	125	117	115	93.7	92.3	78.6-124			1.41	20
2-Hexanone	625	665	669	106	107	62.7-150			0.587	20
Isopropylbenzene	125	109	114	87.1	91.0	79.4-126			4.40	20
p-Isopropyltoluene	125	115	114	91.7	91.4	75.4-132			0.313	20
2-Butanone (MEK)	625	858	762	137	122	44.5-154			11.9	21.3
Methylene Chloride	125	128	121	103	96.5	68.2-119			6.12	20
4-Methyl-2-pentanone (MIBK)	625	747	706	119	113	61.1-138			5.56	20
Methyl tert-butyl ether	125	139	131	111	105	70.2-122			5.77	20
Naphthalene	125	126	111	101	89.2	69.9-132			12.5	20
n-Propylbenzene	125	116	120	93.1	96.3	80.2-124			3.37	20
Styrene	125	108	116	86.6	92.9	79.4-124			7.06	20
1,1,2,2-Tetrachloroethane	125	127	129	102	104	78.8-124			1.68	20
Tetrachloroethene	125	115	116	92.1	93.0	71.1-133			0.973	20
Toluene	125	116	118	92.7	94.2	76.7-116			1.64	20
1,1,2-Trichlorotrifluoroethane	125	117	111	93.8	88.9	62.6-138			5.31	20
1,2,3-Trichlorobenzene	125	117	106	93.6	85.1	72.5-137			9.49	20
1,2,4-Trichlorobenzene	125	120	108	96.2	86.3	74.0-137			10.8	20
1,1,1-Trichloroethane	125	119	113	95.3	90.3	69.9-127			5.40	20
1,1,2-Trichloroethane	125	127	124	101	99.0	81.9-119			2.26	20
Trichloroethene	125	115	111	92.0	88.8	77.2-122			3.51	20
Trichlorofluoromethane	125	118	110	94.5	87.7	51.5-151			7.42	20
1,2,4-Trimethylbenzene	125	118	117	94.5	93.9	77.1-124			0.549	20
1,3,5-Trimethylbenzene	125	113	115	90.5	91.9	79.0-125			1.57	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307902-1 05/07/18 08:26 • (LCSD) R3307902-2 05/07/18 08:46

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	125	119	114	95.4	91.0	58.4-134			4.71	20
o-Xylene	125	120	118	96.0	94.6	78.5-124			1.39	20
m&p-Xylenes	250	215	211	86.0	84.3	77.3-124			2.00	20
(S) Toluene-d8				*99.3*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*106*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*98.1*	*103*	*64.0-132*				
(S) a,a,a-Trifluorotoluene				*98.2*	*97.0*	*80.0-120*				

L991108-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L991108-08 05/07/18 18:02 • (MS) R3307902-4 05/07/18 18:21 • (MSD) R3307902-5 05/07/18 18:40

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	125	U	10600	24500	42.3	97.9	200	47.8-131	J6	J3	79.3	22.8
Bromodichloromethane	125	U	13400	24000	53.7	95.9	200	50.6-128		J3	56.4	22.8
Bromoform	125	U	16400	20300	65.7	81.3	200	43.3-139			21.2	25.9
Bromomethane	125	U	7480	18500	29.9	73.8	200	5.00-189		J3	84.6	26.7
Bromochloromethane	125	U	14800	24400	59.3	97.7	200	62.9-126	J6	J3	49.0	20
n-Butylbenzene	125	U	10000	23900	40.1	95.5	200	23.6-146		J3	81.7	39.2
sec-Butylbenzene	125	U	9020	22800	36.1	91.3	200	31.0-142		J3	86.7	34.7
tert-Butylbenzene	125	U	9230	21900	36.9	87.7	200	36.9-142		J3	81.5	31.7
Carbon tetrachloride	125	U	8100	21300	32.4	85.1	200	46.0-140	J6	J3	89.7	27.2
Chlorobenzene	125	U	11700	22800	46.7	91.2	200	44.1-134		J3	64.6	25.7
Chlorodibromomethane	125	U	14300	20800	57.3	83.2	200	49.7-134		J3	36.8	24
Carbon disulfide	125	U	5290	16600	21.2	66.4	200	21.2-135		J3	103	23.8
Chloroethane	125	U	7220	21300	28.9	85.4	200	5.00-164		J3	98.9	28.4
Chloroform	125	U	12200	25700	48.7	103	200	51.2-133	J6	J3	71.3	22.8
Chloromethane	125	U	7310	21700	29.2	87.0	200	31.4-141	J6	J3	99.4	24.6
1,2-Dibromo-3-Chloropropane	125	U	18300	19100	73.1	76.3	200	40.4-138			4.33	30.8
1,2-Dibromoethane	125	U	17300	22100	69.2	88.3	200	50.2-133		J3	24.2	23.6
1,2-Dichlorobenzene	125	U	14000	23000	56.0	92.1	200	34.6-139		J3	48.7	29.9
1,3-Dichlorobenzene	125	U	12600	22500	50.6	90.0	200	28.4-142		J3	56.1	31.2
1,4-Dichlorobenzene	125	U	12500	21300	50.0	85.3	200	35.0-133		J3	52.1	31.1
Dichlorodifluoromethane	125	U	4810	15900	19.2	63.7	200	31.2-144	J6	J3	107	30.2
1,1-Dichloroethane	125	U	10500	24200	42.1	97.0	200	49.1-136	J6	J3	78.9	22.9
1,2-Dichloroethane	125	U	16400	24700	65.7	98.9	200	47.1-129		J3	40.4	22.7
1,1-Dichloroethene	125	U	6910	22800	27.6	91.3	200	36.1-142	J6	J3	107	25.6
cis-1,2-Dichloroethene	125	893	12200	25500	45.4	98.6	200	50.6-133	J6	J3	70.3	23
trans-1,2-Dichloroethene	125	U	7140	22300	28.6	89.2	200	43.8-135	J6	J3	103	24.8

L991108-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L991108-08 05/07/18 18:02 • (MS) R3307902-4 05/07/18 18:21 • (MSD) R3307902-5 05/07/18 18:40

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dichloropropane	125	U	13400	25400	53.8	102	200	50.3-134		J3	61.6	22.7
cis-1,3-Dichloropropene	125	U	13200	21400	52.8	85.5	200	48.4-134		J3	47.4	23.6
trans-1,3-Dichloropropene	125	U	14900	21400	59.8	85.8	200	46.6-135		J3	35.7	25.3
Ethylbenzene	125	U	9640	22400	38.6	89.4	200	44.8-135	J6	J3	79.5	26.9
Isopropylbenzene	125	U	9000	22300	36.0	89.4	200	41.9-139	J6	J3	85.1	29.3
p-Isopropyltoluene	125	U	9400	22400	37.6	89.4	200	27.3-146		J3	81.6	35.1
2-Butanone (MEK)	625	U	72600	160000	58.1	128	200	23.9-170		J3	75.3	28.3
2-Hexanone	625	U	114000	124000	91.3	98.9	200	44.3-157			7.94	23.7
Methylene Chloride	125	U	13600	23800	54.3	95.2	200	46.7-125		J3	54.8	22.2
4-Methyl-2-pentanone (MIBK)	625	U	127000	138000	102	110	200	42.4-146			7.92	26.7
Methyl tert-butyl ether	125	U	20600	27200	82.3	109	200	50.4-131		J3	27.6	24.8
Naphthalene	125	U	17300	21600	69.3	86.3	200	18.4-145			21.8	34
n-Propylbenzene	125	U	9730	23600	38.9	94.4	200	35.2-139		J3	83.3	31.9
Styrene	125	U	12000	22600	48.0	90.5	200	39.7-137		J3	61.3	28.2
1,1,2,2-Tetrachloroethane	125	U	21400	24100	85.5	96.2	200	45.7-140			11.8	26.4
Tetrachloroethene	125	892000	1040000	993000	573	404	200	37.7-140	E V	E V	4.17	29.2
Toluene	125	U	9990	22400	40.0	89.7	200	47.8-127	J6	J3	76.7	24.3
1,1,2-Trichlorotrifluoroethane	125	U	6240	23200	24.9	92.8	200	35.7-146	J6	J3	115	28.8
1,2,3-Trichlorobenzene	125	U	14100	21000	56.5	83.9	200	10.0-150		J3	39.0	38.5
1,2,4-Trichlorobenzene	125	U	13500	21500	53.8	86.1	200	10.0-153		J3	46.2	39.3
1,1,1-Trichloroethane	125	U	7840	22900	31.4	91.4	200	49.0-138	J6	J3	97.8	25.3
1,1,2-Trichloroethane	125	U	18000	23800	72.0	95.3	200	52.3-132		J3	27.8	23.4
Trichloroethene	125	11800	23400	36600	46.1	98.9	200	48.0-132	J6	J3	44.0	24.8
Trichlorofluoromethane	125	U	6290	23000	25.2	92.2	200	12.8-169		J3	114	29.7
1,2,4-Trimethylbenzene	125	U	10900	22600	43.6	90.5	200	32.9-139		J3	69.9	30.6
1,3,5-Trimethylbenzene	125	U	10100	22500	40.6	90.1	200	37.1-138		J3	75.8	30.6
Vinyl chloride	125	U	5910	19300	23.7	77.4	200	32.0-146	J6	J3	106	26.3
o-Xylene	125	U	11000	22600	44.0	90.4	200	43.2-136		J3	69.1	26.2
m&p-Xylenes	250	U	17600	40900	35.2	81.8	200	42.2-134	J6	J3	79.7	27.1
(S) Toluene-d8					*102*	*102*		*80.0-120*				
(S) Dibromofluoromethane					*104*	*104*		*74.0-131*				
(S) 4-Bromofluorobenzene					*104*	*103*		*64.0-132*				
(S) a,a,a-Trifluorotoluene					*101*	*102*		*80.0-120*				

Method Blank (MB)

(MB) R3308155-3 05/08/18 09:38

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		13.7	25.0
cis-1,2-Dichloroethene	U		0.690	2.50
Methyl Acetate	U		2.10	5.00
Tetrachloroethene	U		0.700	2.50
Trichloroethene	U		0.400	1.00
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*95.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308155-1 05/08/18 08:24 • (LCSD) R3308155-2 05/08/18 08:49

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	614	649	98.2	104	25.3-178			5.60	22.9
cis-1,2-Dichloroethene	125	100	101	80.3	80.7	76.1-121			0.499	20
Tetrachloroethene	125	124	126	98.9	101	71.1-133			2.02	20
Trichloroethene	125	99.2	103	79.3	82.1	77.2-122			3.41	20
(S) Toluene-d8				*106*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*94.2*	*92.9*	*74.0-131*				
(S) 4-Bromofluorobenzene				*101*	*101*	*64.0-132*				
(S) a,a,a-Trifluorotoluene				*99.3*	*99.4*	*80.0-120*				

Method Blank (MB)

(MB) R3308333-1 05/08/18 11:15

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Anthracene	U		7.28	33.0
Acenaphthene	U		7.37	33.0
Acenaphthylene	U		7.51	33.0
Benzo(a)anthracene	U		4.28	33.0
Benzo(a)pyrene	U		5.02	33.0
Benzo(b)fluoranthene	U		6.95	33.0
Benzo(g,h,i)perylene	U		7.21	33.0
Benzo(k)fluoranthene	U		5.06	33.0
Chrysene	U		7.85	33.0
Dibenz(a,h)anthracene	U		5.91	33.0
Fluoranthene	U		7.08	33.0
Fluorene	U		7.19	33.0
Indeno(1,2,3-cd)pyrene	U		5.61	33.0
Naphthalene	U		5.13	33.0
Phenanthrene	U		7.10	33.0
Pyrene	U		7.76	33.0
(S) Nitrobenzene-d5	*85.5*			*31.0-146*
(S) 2-Fluorobiphenyl	*87.1*			*31.0-130*
(S) p-Terphenyl-d14	*91.2*			*20.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308333-2 05/08/18 11:40 • (LCSD) R3308333-3 05/08/18 12:05

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	400	360	354	90.0	88.4	51.0-126			1.78	20
Acenaphthylene	400	347	342	86.7	85.4	50.0-130			1.49	20
Anthracene	400	357	341	89.3	85.3	48.0-128			4.49	20
Benzo(a)anthracene	400	359	351	89.9	87.6	48.0-127			2.49	20
Benzo(b)fluoranthene	400	358	340	89.5	85.0	44.0-131			5.11	20
Benzo(k)fluoranthene	400	375	370	93.8	92.4	48.0-128			1.52	20
Benzo(g,h,i)perylene	400	384	372	96.0	93.1	46.0-140			3.04	20
Benzo(a)pyrene	400	368	354	92.0	88.5	48.0-136			3.83	20
Chrysene	400	379	372	94.8	92.9	49.0-130			2.02	20
Dibenz(a,h)anthracene	400	387	374	96.7	93.5	47.0-135			3.38	20
Fluoranthene	400	394	371	98.6	92.8	53.0-131			6.05	20
Fluorene	400	342	336	85.4	84.1	49.0-128			1.57	20
Naphthalene	400	345	341	86.2	85.3	53.0-120			1.07	20
Phenanthrene	400	371	352	92.7	88.0	47.0-129			5.16	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308333-2 05/08/18 11:40 • (LCSD) R3308333-3 05/08/18 12:05

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Pyrene	400	372	361	93.0	90.1	50.0-146			3.12	20
Indeno(1,2,3-cd)pyrene	400	387	374	96.8	93.6	49.0-136			3.35	20
(S) Nitrobenzene-d5				*97.9*	*96.0*	*31.0-146*				
(S) 2-Fluorobiphenyl				*98.7*	*93.7*	*31.0-130*				
(S) p-Terphenyl-d14				*101*	*97.4*	*20.0-127*				

L990481-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L990481-02 05/08/18 16:13 • (MS) R3308333-4 05/08/18 16:38 • (MSD) R3308333-5 05/08/18 17:03

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	479	U	382	395	79.7	82.3	1	35.0-125			3.19	20
Acenaphthylene	479	U	380	395	79.3	82.4	1	41.0-125			3.77	20
Anthracene	479	U	384	394	80.1	82.1	1	19.0-132			2.55	20
Benzo(a)anthracene	479	U	388	395	80.9	82.5	1	13.0-130			1.94	22
Benzo(b)fluoranthene	479	U	356	371	74.3	77.4	1	10.0-133			4.09	25
Benzo(k)fluoranthene	479	U	401	419	83.6	87.3	1	19.0-125			4.32	26
Benzo(g,h,i)perylene	479	U	383	405	79.9	84.5	1	10.0-138			5.62	24
Benzo(a)pyrene	479	U	384	403	80.2	84.2	1	10.0-139			4.85	24
Chrysene	479	U	394	413	82.1	86.2	1	16.0-133			4.86	21
Dibenz(a,h)anthracene	479	U	398	416	83.1	86.8	1	21.0-129			4.37	24
Fluoranthene	479	U	416	419	86.8	87.4	1	10.0-142			0.681	21
Fluorene	479	U	365	373	76.1	77.8	1	31.0-126			2.19	20
Naphthalene	479	U	364	388	75.9	80.9	1	39.0-123			6.35	20
Phenanthrene	479	U	388	397	80.9	82.9	1	19.0-132			2.42	20
Pyrene	479	U	388	405	81.0	84.4	1	11.0-150			4.12	22
Indeno(1,2,3-cd)pyrene	479	U	393	413	81.9	86.2	1	13.0-133			5.11	24
(S) Nitrobenzene-d5					*86.7*	*92.5*		*31.0-146*				
(S) 2-Fluorobiphenyl					*84.7*	*88.5*		*31.0-130*				
(S) p-Terphenyl-d14					*85.4*	*90.7*		*20.0-127*				

Method Blank (MB)

(MB) R3308920-1 05/10/18 15:44

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Anthracene	U		7.28	33.0
Acenaphthene	U		7.37	33.0
Acenaphthylene	U		7.51	33.0
Benzo(a)anthracene	U		4.28	33.0
Benzo(a)pyrene	U		5.02	33.0
Benzo(b)fluoranthene	U		6.95	33.0
Benzo(g,h,i)perylene	U		7.21	33.0
Benzo(k)fluoranthene	U		5.06	33.0
Chrysene	U		7.85	33.0
Dibenz(a,h)anthracene	U		5.91	33.0
Fluoranthene	U		7.08	33.0
Fluorene	U		7.19	33.0
Indeno(1,2,3-cd)pyrene	U		5.61	33.0
Naphthalene	U		5.13	33.0
Phenanthrene	U		7.10	33.0
Pyrene	U		7.76	33.0
(S) Nitrobenzene-d5	*94.8*			*31.0-146*
(S) 2-Fluorobiphenyl	*98.8*			*31.0-130*
(S) p-Terphenyl-d14	*92.4*			*20.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308920-4 05/10/18 16:59 • (LCSD) R3308920-5 05/10/18 17:24

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	400	362	356	90.6	88.9	51.0-126			1.91	20
Acenaphthylene	400	363	359	90.8	89.8	50.0-130			1.12	20
Anthracene	400	371	359	92.7	89.7	48.0-128			3.25	20
Benzo(a)anthracene	400	345	336	86.3	84.1	48.0-127			2.52	20
Benzo(b)fluoranthene	400	362	357	90.5	89.1	44.0-131			1.57	20
Benzo(k)fluoranthene	400	369	358	92.2	89.4	48.0-128			3.11	20
Benzo(g,h,i)perylene	400	336	324	83.9	81.1	46.0-140			3.43	20
Benzo(a)pyrene	400	370	361	92.5	90.3	48.0-136			2.43	20
Chrysene	400	377	371	94.3	92.7	49.0-130			1.68	20
Dibenz(a,h)anthracene	400	342	324	85.4	80.9	47.0-135			5.49	20
Fluoranthene	400	393	378	98.2	94.6	53.0-131			3.75	20
Fluorene	400	351	343	87.6	85.8	49.0-128			2.11	20
Naphthalene	400	357	351	89.3	87.9	53.0-120			1.57	20
Phenanthrene	400	345	338	86.3	84.4	47.0-129			2.16	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308920-4 05/10/18 16:59 • (LCSD) R3308920-5 05/10/18 17:24

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Pyrene	400	357	348	89.2	86.9	50.0-146			2.60	20
Indeno(1,2,3-cd)pyrene	400	344	326	86.1	81.5	49.0-136			5.44	20
(S) Nitrobenzene-d5				*97.3*	*96.0*	*31.0-146*				
(S) 2-Fluorobiphenyl				*96.4*	*96.7*	*31.0-130*				
(S) p-Terphenyl-d14				*90.9*	*91.2*	*20.0-127*				

L991300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L991300-01 05/10/18 18:13 • (MS) R3308920-8 05/10/18 19:28 • (MSD) R3308920-9 05/10/18 19:53

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	400	ND	280	346	70.0	86.4	1	35.0-125		J3	21.0	20
Acenaphthylene	400	ND	291	343	72.7	85.8	1	41.0-125			16.6	20
Anthracene	400	ND	267	342	66.6	85.4	1	19.0-132		J3	24.7	20
Benzo(a)anthracene	400	ND	252	324	63.0	81.0	1	13.0-130		J3	25.0	22
Benzo(b)fluoranthene	400	ND	217	317	54.2	79.3	1	10.0-133		J3	37.6	25
Benzo(k)fluoranthene	400	ND	317	367	79.3	91.9	1	19.0-125			14.7	26
Benzo(g,h,i)perylene	400	ND	258	328	64.4	82.1	1	10.0-138		J3	24.2	24
Benzo(a)pyrene	400	ND	273	350	68.2	87.5	1	10.0-139		J3	24.8	24
Chrysene	400	ND	311	365	77.9	91.1	1	16.0-133			15.7	21
Dibenz(a,h)anthracene	400	ND	260	304	65.0	75.9	1	21.0-129			15.5	24
Fluoranthene	400	ND	266	368	66.6	92.1	1	10.0-142		J3	32.0	21
Fluorene	400	ND	254	321	63.4	80.4	1	31.0-126		J3	23.5	20
Naphthalene	400	ND	310	344	77.4	86.1	1	39.0-123			10.7	20
Phenanthrene	400	ND	247	323	61.7	80.7	1	19.0-132		J3	26.7	20
Pyrene	400	ND	244	336	61.0	83.9	1	11.0-150		J3	31.5	22
Indeno(1,2,3-cd)pyrene	400	ND	240	318	60.0	79.5	1	13.0-133		J3	28.1	24
(S) Nitrobenzene-d5					*89.9*	*93.8*		*31.0-146*				
(S) 2-Fluorobiphenyl					*91.3*	*95.4*		*31.0-130*				
(S) p-Terphenyl-d14					*84.6*	*89.6*		*20.0-127*				

Method Blank (MB)

(MB) R3308328-1 05/08/18 13:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.291	1.00
Acenaphthene	U		0.316	1.00
Acenaphthylene	U		0.309	1.00
Benzo(a)anthracene	U		0.0975	1.00
Benzo(a)pyrene	U		0.340	1.00
Benzo(b)fluoranthene	U		0.0896	1.00
Benzo(g,h,i)perylene	U		0.161	1.00
Benzo(k)fluoranthene	U		0.355	1.00
Chrysene	U		0.332	1.00
Dibenz(a,h)anthracene	U		0.279	1.00
Fluoranthene	U		0.310	1.00
Fluorene	U		0.323	1.00
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Naphthalene	U		0.0297	1.00
Phenanthrene	U		0.366	1.00
Pyrene	U		0.330	1.00
(S) Nitrobenzene-d5	*46.6*			*10.0-147*
(S) 2-Fluorobiphenyl	*84.8*			*15.0-137*
(S) p-Terphenyl-d14	*81.6*			*12.0-126*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308328-2 05/08/18 14:12 • (LCSD) R3308328-3 05/08/18 14:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	10.0	7.67	7.27	76.7	72.7	39.0-121			5.39	23
Acenaphthylene	10.0	7.66	7.29	76.6	72.9	37.0-125			4.92	23
Anthracene	10.0	7.86	7.60	78.6	76.0	37.0-125			3.37	23
Benzo(a)anthracene	10.0	8.82	8.61	88.2	86.1	39.0-126			2.44	22
Benzo(b)fluoranthene	10.0	8.09	8.33	80.9	83.3	35.0-130			2.95	22
Benzo(k)fluoranthene	10.0	7.09	8.00	70.9	80.0	35.0-129			12.0	29
Benzo(g,h,i)perylene	10.0	6.86	7.54	68.6	75.4	36.0-138			9.41	25
Benzo(a)pyrene	10.0	8.03	8.24	80.3	82.4	37.0-135			2.64	21
Chrysene	10.0	9.08	8.93	90.8	89.3	40.0-128			1.65	23
Dibenz(a,h)anthracene	10.0	6.67	7.31	66.7	73.1	34.0-135			9.13	24
Fluoranthene	10.0	10.0	9.83	100	98.3	42.0-136			1.90	23
Fluorene	10.0	8.14	7.87	81.4	78.7	40.0-125			3.33	22
Naphthalene	10.0	7.32	6.70	73.2	67.0	37.0-120			8.85	23
Phenanthrene	10.0	7.81	7.46	78.1	74.6	37.0-126			4.54	22

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308328-2 05/08/18 14:12 • (LCSD) R3308328-3 05/08/18 14:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Pyrene	10.0	8.19	8.18	81.9	81.8	33.0-141			0.121	23
Indeno(1,2,3-cd)pyrene	10.0	6.83	7.46	68.3	74.6	34.0-138			8.79	24
(S) Nitrobenzene-d5				*45.6*	*43.9*	*10.0-147*				
(S) 2-Fluorobiphenyl				*84.0*	*82.7*	*15.0-137*				
(S) p-Terphenyl-d14				*78.3*	*78.8*	*12.0-126*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

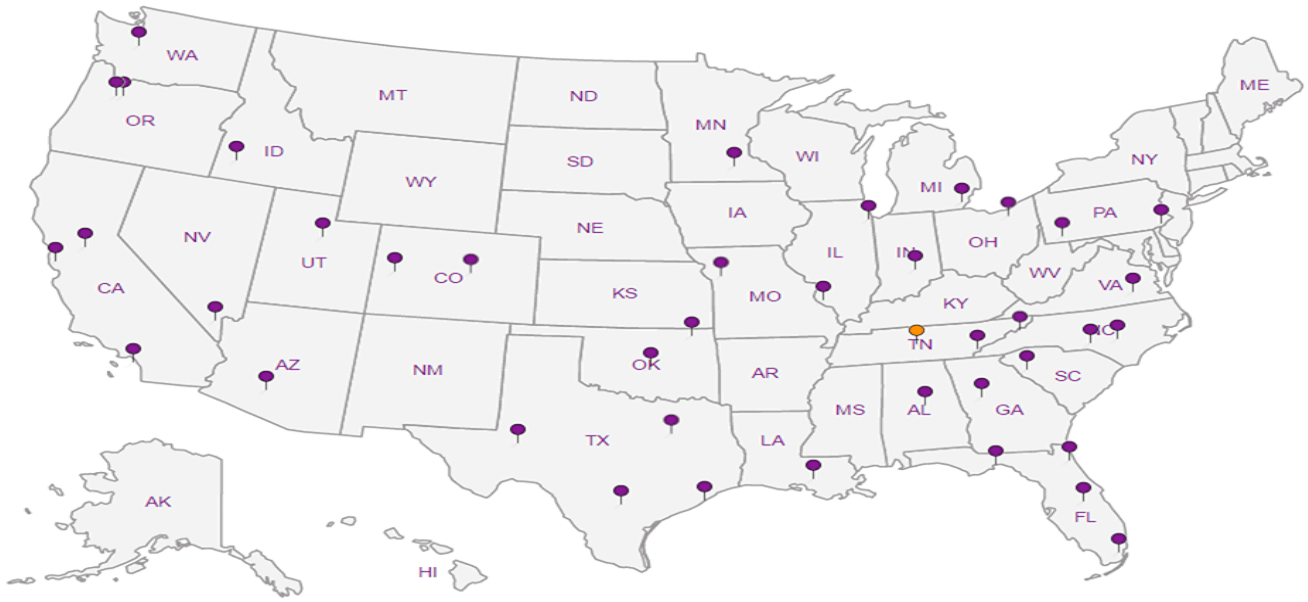
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



Company Name/Address:
Lender Consulting Services, Inc
40 LaRiviere Drive, Suite 120
Buffalo, NY 14202

Billing Information:
Accounts Payable
40 LaRiviere Drive, Suite 120
Buffalo, NY 14202

Report to: Doug Reid

Email To: Dreid@Lenderconsulting.com

Project Description: 65-67 Lake Ave.

City/State Collected: Lancaster New York

Phone: 800-474-6802
Fax: 716-845-6164

Client Project # 183267.22

Lab Project #

Collected by (print): Brendon Stew

Site/Facility ID #

P.O. # 183267.22

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ✓Yes
FAX? ✓No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCL + CPSI VOCs	CPSI SVOC	Rem./Contaminant	Sample # (lab only)
BH1 4-6	G	SS	4-6	5-1-18		5	X	X		-01
BH4 4-6			4-6			5	X	X		-02
BH4 8-10			8-10			5	X	X		-03
BH5 10-12			10-12			5	X	X		-04
BH6 12-14		SS	12-14			5	X	X		-05
TPMW1		GW				3	X	V		-06
TPMW2						3	X	V		-07
TPMW3						3	X	V		-08
TPMW4	G	GW		5-1-18		3	X	V		-09

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L990371
D043

Acctnum: LCSBNY
Template:
Prelogin:
TSR: 364 Alan Harvill
PB:
Shipped Via:

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: 5781 0507 5107

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.4 °C Bottles Received: 37

Hold #

Condition: (lab use only)

COC Seal Intact: ___Y ___N ✓NA

pH Checked: NCF:

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5-1-18	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 5/2/18 Time: 8:45

ESC LAB SCIENCES
Cooler Receipt Form

Client: LCSBNY	SDG#	L990371
Cooler Received/Opened On: 5/2 /18	Temperature:	3.4
Received By: Kevin Turner		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?			
Bottles arrive intact?			
Correct bottles used?			
Sufficient volume sent?			
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

LIMITATIONS

This environmental study is limited by the scope of services contained within this report and time frames specified within the contract for services.

This environmental study makes no warranties nor implies any liability regarding:

1. Any impacted media located beneath the on-site structure(s).
2. Any chemical analytes not included within the analytical test methods employed during this study.
3. Any impacted media present from off-site sources not assessed.
4. Any impact at locations and depths not assessed in this study.
5. Any impact at locations where access was limited (i.e., beneath structures, etc.).
6. Vapor Intrusion.

Conclusions and/or recommendations made within the study are based on the interpretation of data collected at individual sample locations and may change if additional data is collected during future study. Conditions between sampling locations are estimated based on available data. Intrusive studies serve to reduce, but not eliminate, the potential environmental risk associated with a property. No study is considered all-inclusive or representative of the entire subject property. Such would be cost prohibitive.