Phase II
Environmental Site Assessment

Location:

872 & 886 Hudson Avenue
Rochester, New York 14621

Prepared for:

Urban League of Rochester
Economic Development Corporation
c/o Edgemere Development, Inc
277 Alexander Street, Suite 400
Rochester, New York 14607

LaBella Project No. 2181794

August 2018

LaBella
Powered by partnership.

300 State Street, Suite 201 | Rochester, NY 14614 | p 585-454-6110 | f 585-454-3066

Table of Contents

1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by the Urban League of Rochester Economic Development Corporation (ULREDC) to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 872 & 886 Hudson Avenue in the City of Rochester, Monroe County, New York, hereinafter referred to as the "Site" (see Figure 1). This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11.

1.1 Special Terms & Conditions

The findings of this Phase II ESA are based on the scope of work and project objectives as stated in LaBella Proposal number P1803088 dated June 18, 2018 and P1803088.01 dated July 13, 2018. Note that Task 2 in proposal P1803088.01, Shallow Bedrock Groundwater Study, is currently underway and as such, results cannot be reported in this Phase II ESA report. A subsequent summary letter will be issued summarizing the methodology and results of the Shallow Bedrock Groundwater Study.

1.2 Limitations & Exceptions

Work associated with this Phase II ESA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 BACKGROUND

2.1 Site Description & Features

The Site comprises a total of approximately 0.48 acres of land and is currently developed with one (1) vacant structure. 872 Hudson Avenue is developed with an approximately 26,000 square foot former manufacturing building and 886 Hudson Avenue is an undeveloped grassy lot. The Site building is a vacant, four (4) story structure containing a partial basement which extends under the southeastern quadrant of the building, as shown on Figure 2. With the exception of the partial basement, the building is slab-on-grade construction.

LaBella completed a Pre-Renovation Regulated Building Materials Inspection in December 2017 which determined that various asbestos-containing materials (ACMs) are present throughout the building in varying conditions. Much of this material is damaged, non-intact friable ACM and as such, access to the building was limited as part of this Phase II ESA.

LaBella understands that the existing Site building is intended to be renovated by ULREDC and converted to an apartment building. A parking lot is reportedly planned to be constructed on the Site to the east and north of the building.

2.2 Physical Setting

The Site is located at 872 & 886 Hudson Avenue in the City of Rochester within a predominantly urban residential area.

2.3 Site History & Land Use

Although the Site is currently vacant, it appears to have been historically utilized for industrial purposes including optical lens manufacturing, printing and photograph mount manufacturing. One (1) building which was primarily located on the eastern portion of the Site was reportedly recently demolished by the City of Rochester. Additional information about the historical use of the Site is detailed in Section 2.5.

2.4 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
North	898 Hudson Avenue – Residential
East	914 Avenue D – Residential
South	862 Hudson Avenue – Commercial & Residential
Southwest	865 Hudson Avenue – Commercial

2.5 Summary of Previous Studies

LaBella recently reviewed a Phase I ESA completed by Seeler Engineering, PC (Seeler) for the Site which identified a Recognized Environmental Condition (REC) associated with seven (7) fuel storage tanks in a vault beneath the sidewalk adjacent to the south of the Site building (refer to Figure 2). Each tank is reportedly 275-gallons in capacity. This vault is accessible via a doorway from the Site building's basement. Based on active New York State Department of Environmental Conservation (NYSDEC) Spill listing #0651965 and Seeler's Phase I ESA, the tanks reportedly contained fuel oil for heating the building. The volume of product currently in the tanks is unknown.

LaBella discussed the Spill listing with the NYSDEC on June 8, 2018. The NYSDEC indicated that the Department had previously requested prior property owners to properly remove the tanks and perform a subsurface investigation consisting of the advancement of soil borings in the sidewalk surrounding the tank vault and within the vault itself, if possible.

In addition to the REC identified by Seeler, the Site was historically utilized for industrial purposes including optical lens manufacturing, printing and photograph mount manufacturing from the early 1900s until at least the mid-1970s. One (1) building which was primarily located on the eastern portion of the Site was recently demolished.

3.0 OBJECTIVE

The objective of this Phase II ESA was to conduct an evaluation of subsurface conditions throughout the Site based on historical industrial operations and the presence of fuel storage tanks in the underground vault discussed in Section 2.5.

4.0 SCOPE OF WORK

To achieve the project objectives the following Scope of Work was performed:

1. Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site to locate utilities in the areas where the subsurface assessment would take place. In addition, Right-of-Way (ROW) permits were obtained from the City of Rochester to complete soil borings and install groundwater monitoring wells in the sidewalks adjacent to the Site.

2. Interior screening for detectable volatile organic compounds (VOCs) using a handheld photo-ionization detector (PID) capable of reading in units of parts per billion (PPB) was completed throughout the basement and 1st floor of the building. Features such as piping, floor and wall cracks, floor drains, sumps, etc., located in the basement and 1st floor of the building were screened for potential infiltration sources of VOCs. Additionally, using a Ludlum 3-97 Survey Meter, all floors throughout the building were assessed for radiation levels above background levels based on the potential for radioactive materials to be stored/used in the building based on historical optical processes. Screening locations are shown on Figures 4 and 5.

3. A direct push soil boring and sampling program of the overburden at the Site was implemented. Fifteen (15) exterior soil borings were advanced with a track-mounted Geoprobe® Systems Model 6610 direct-push sampling system and two (2) interior soil borings were advanced using hand-held direct-push equipment. The use of direct-push technology allows for rapid sampling, observation, and characterization of overburden soils. The Geoprobe utilizes a 5-foot MacroCore® sampler with disposable polyethylene sleeves. Soil cores are retrieved in 5-foot sections and can be easily cut from the polyethylene sleeves for observation and sampling. The hand-held system utilized a jackhammer to advance a 2-foot MacroCore® sampler, also with disposable polyethylene sleeves. The MacroCore® sampler was decontaminated between boring locations using an Alconox® and potable water solution. A total of seventeen (17) soil borings were advanced at the Site to depths ranging from 5 to 20 feet (ft) below ground surface (bgs). Soil boring locations are depicted on Figure 1.

4. Due to the presence of friable ACMs within the building, interior work was limited and LaBella personnel who completed such work wore half-mask air purifying respirators as well as chemical resistant suits and gloves.

5. Soils from the borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a PID. Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.”

6. Ten (10) soil borings were converted to temporary overburden groundwater monitoring wells. Each well was completed with 5 or 10-ft of 0.010-slot well screen connected to an appropriate length of solid PVC well riser to complete the well. The annulus was sand packed with quartz sand to a nominal depth of 1-ft above the screen section. A 1-ft bentonite seal was placed above the sand pack. Monitoring wells installed in the ROW were finished with flush-mounted protective casings, i.e. “curb boxes.”

7. Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to ESC Lab Sciences in Mt. Juliet, Tennessee. The following laboratory analysis was performed:

a. Soil

Sample ID	Exploration Location	Sample Depth (ft bgs)	Laboratory Analyses
SB-02	Northeastern portion of Site	3	- CP-51 List SVOCs - USEPA TAL Metals
SB-03	Eastern portion of Site		
SB-04	Northeast of tank vault	7.5	- USEPA TCL and CP-51 List VOCs - CP-51 List SVOCs - USEPA TAL Metals - PCBs
SB-08	In ROW southwest of building	13	- USEPA TCL and CP-51 List VOCs
SB-11	Northwest of Site building	6	- USEPA TCL and CP-51 List VOCs
SB-12	North of Site building	18.5	- USEPA TCL and CP-51 List VOCs
SB-13	East of Site building	20	- USEPA TCL and CP-51 List VOCs
SB-14	South of Site building, west of tank vault	13	- USEPA TCL and CP-51 List VOCs
SB-15	Southwest of Site building	13	- USEPA TCL and CP-51 List VOCs
SB-16	In Site building basement	8	- USEPA TCL and CP-51 List VOCs
SB-17	In central portion of Site building, 1st floor	7	- USEPA TCL and CP-51 List VOCs

Notes:
1. USEPA Target Compound List (TCL) and New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy (CP-51) list VOC analysis performed via USEPA Method 8260
2. CP-51 List SVOC analysis performed via USEPA Method 8270
3. Resource Conservation and Recovery Act (RCRA) metals analysis performed via USEPA Method 6010/7470
4. Polychlorinated Biphenyls (PCBs) analysis performed via USEPA Method 8082

b. Groundwater

Sample ID	Exploration Location	Screened Interval (ft bgs)	Laboratory Analyses
MW-SB-02	Northeastern portion of Site	10-20	- USEPA TCL and CP-51 List VOCs
MW-SB-04	Northeast of tank vault	5-15	
MW-SB-07	West of Site building	7.5-17.5	
MW-SB-10	Southeast of Site building, east of tank vault	5-15	
MW-SB-11	Northwest of Site building	9.8-19.8	
MW-SB-12	North of Site building	8.5-18.5	
MW-SB-13	East of Site building	10-20	
MW-SB-14	South of Site building, west of tank vault	10-20	
MW-SB-15	Southwest of Site building	10-20	
MW-SB-16	In Site building basement	0-8	

5.0 FINDINGS

5.1 Preliminary Volatile Organic Compound and Radioactivity Screening

VOC screening was completed on the 1st floor and basement of the building using a PID capable of measuring in units of PPB (refer to Figures 4 and 5). Features such as piping, floor and wall cracks, floor drains, sumps, etc., were screened for potential infiltration sources of VOCs. Background VOC levels ranged from 0-30 PPB throughout the basement of the Site building. In the basement, three (3) VOC readings exceeded background levels and were measured as 1,848 PPB, 1,228 PPB and 79 PPB, respectively. Screening locations in the basement are depicted on Figure 5. On the 1st floor, background levels of VOCs did not exceed 0.0 PPB, with the exception of a sump. Upon screening the sump located in the western section of the building (see Figure 4), VOCs were detected at a concentration of 4,434 PPB. Water was not observed in this sump during the screening event.

Elevated radiation readings were not identified in any other portions of the building with the exception of one (1) area where a measurement slightly above background (i.e., 0 to 2 ur/hr) was identified. As shown on Figure 4, a reading of 10 ur/hr was observed on the concrete floor in the southwestern corner of the 1st floor. This reading does not appear to be indicative of substantial radioactive contamination.

5.2 Site Geology and Hydrology

Ten (10) soil borings were advanced at the Site on June 26, 2018, designated SB-01 through SB-10. An additional seven (7) soil borings were advanced on July 13 and July 16, 2018, designated SB-11 through SB-17. All borings were advanced to equipment refusal or several feet into the water table. Terminal depths of the borings ranged from approximately 5 to 20-ft bgs. Boring SB-16 was advanced within the building basement and boring SB-17 was advanced on the 1st floor of the

building, in the vicinity of the sump described in Section 5.1. The floor of the basement is approximately 10-ft below the exterior ground surface. All other borings were advanced in exterior locations.

Soils at the Site was generally comprised of tightly packed brown silt, sandy silts and fine to coarse subangular and subrounded gravel. Trace amounts of fill including cinders and ash were observed near the surface of a limited number of borings, particularly on the eastern side of the Site. This urban fill material was encountered to depths of approximately 3-ft bgs. It should be noted that this area is generally in the location of the former building that was recently demolished by the City of Rochester.

All soil cores were continuously assessed by a LaBella Environmental Scientist for soil type and evidence of impairment. Elevated PID readings (i.e., greater than 5 part per million (ppm)) were observed in seven (7) of the seventeen (17) soil borings, with the highest PID reading (292.7 ppm) measured in SB-14 at approximately 13-ft bgs. Refer to Section 5.2 for additional information regarding field screening results.

A total of ten (10) overburden groundwater monitoring wells (designated as MW-02, MW-04, MW-07 and MW-10 through MW-16) were installed at the Site within the boreholes identified in the table in Section 5.3. The wells were each completed with 10-ft of 0.01-in slotted screen below PVC risers, to total depths of 5-ft and 20 ft bgs. The areas surrounding the wells were filled with quartz sand. The following table summarizes static water levels measured in eight (8) of the wells at the Site on August 8, 2018. The other two (2) wells were inaccessible at that time.

Well ID	Static Water Level (ft. btoc)	Water Table Elevation*
SB-MW-02	12.39	446.25
SB-MW-04	5.69	466.09
SB-MW-07	10.18	450.24
SB-MW-10	7.00	460.98
SB-MW-11	11.61	446.44
SB-MW-12	11.82	447.91
SB-MW-14	8.60	455.88
SB-MW-15	9.91	451.46

**Elevation in feet, City of Rochester Datum.*

Groundwater flow modeling completed using Golden Software Surfer 14.0, Kriging Method indicates groundwater flow is radiating from the southeastern corner of the Site building and flow across the much of the Site is to the west-northwest, with a relatively steep hydraulic gradient across the study area. Groundwater flow in the southeastern-most portion of the study area appears to be to the south-southwest. Mile Square Mapping obtained from the City of Rochester which shows sewer locations and invert elevations indicate that groundwater is generally flowing towards these underground sewers, particularly in Hudson Avenue. However, note that at the time of measurement, the water table elevation appears to be deeper than the deepest sewer invert, which would indicate the sewer may not be influencing groundwater flow direction.

Overburden refusal was encountered at depths as deep as 20-ft bgs. A shallow bedrock groundwater study is currently underway at the Site and the results of that study will be reported in a separate letter. However, the portion of the shallow bedrock study completed thus far identified top of bedrock at depths between 22.2-ft and 24.0-ft bgs.

Soil boring and monitoring well locations are shown on Figure 1. Copies of the Soil Boring and Monitoring Well Logs are included in Appendix 1.

5.3 Field Screening Results

The table below summarizes PID readings obtained at various depth intervals from the soil borings:

Test Boring/Well Summary and Soil PID Readings

Test Boring ID	Well Number	Sample Interval (ft bgs)									
		0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20
SB-01	--	**11.8**	**12.3**	**9.8**	--	--	--	--	--	--	--
SB-02	MW-SB-02	0.0	0.3*	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
SB-03	--	0.0	0.0*	0.0	0.0	--	--	--	--	--	--
SB-04	MW-SB-04	0.0	0.0	0.0	**176.6***	**113**	0.0	0.0	0.0	--	--
SB-05	--	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	--	--
SB-06	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	--
SB-07	MW-SB-07	0.0	0.0	0.0	0.0	0.6	**10.6**	**3.7**	**11.5**	**62.5**	--
SB-08	--	0.0	0.0	0.0	0.0	0.0	0.0	**163.5***	**79.5**	**63**	--
SB-09	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	--
SB-10	MW-SB-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	--
SB-11	MW-SB-11	**4.1**	**13.6**	**128.6***	**114**	**17**	**1.8**	0.0	0.0	0.0	0.0
SB-12	MW-SB-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*
SB-13	MW-SB-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*
SB-14	MW-SB-14	0.0	0.0	0.0	0.0	**13.1**	**29.1**	**292.7***	**31.7**	**1.6**	0.0
SB-15	MW-SB-15	0.0	0.0	0.0	0.0	**21.7**	**45.1**	**69.1***	**0.8**	0.0	0.0
SB-16	MW-SB-16	0.0	0.0	0.0	0.0*	--	--	--	--	--	--
SB-17	--	0.0	0.0	0.0	0.0*	--	--	--	--	--	--

Notes:

1. *All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in parts per million.*
2. *The PID screening is performed as a method of determining general presence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC presence in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.*
3. *"--" denotes boring not completed to above-listed depth or insufficient recovery occurred at specified depth.*
4. *"*" denotes a soil sample was submitted for laboratory analysis from this interval.*

5.4 Laboratory Analytical Results

5.4.1 Soil

A total of eleven (11) soil samples were selected for laboratory analysis. Soil samples were collected from SB-02, SB-03, SB-04, SB-08, SB-11, SB-12, SB-13, SB-14, SB-15, SB-16 and SB-17 and were submitted for laboratory analysis of the parameters identified in the table in Section 4.0.

Results were compared to NYSDEC New York Codes, Rules and Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential SCOs.

VOCs:

Nine (9) soil samples were analyzed for TCL and CP-51 list VOCs. VOCs were detected in eight

(8) out of nine (9) soil samples at concentrations above laboratory method detection limits (MDLs). Detected compounds were below Unrestricted Use and Restricted Residential SCOs with the exception of trichloroethene (TCE) in sample SB-08 (13-ft bgs) and SB-16 (8-ft bgs). TCE was detected at concentrations of 0.495 mg/kg and 0.605 mg/kg, respectively, in these samples. These concentrations are above the Unrestricted Use SCO of 0.47 mg/kg for TCE but below the Restricted Residential SCO of 21 mg/kg. TCE is a chlorinated VOC which is often used in solvents for degreasing operations.

Additional targeted VOCs were not identified above Unrestricted Use or Restricted Residential SCOs.

In addition to the TCE detections above Unrestricted Use SCOs, several other VOCs were identified in one (1) or more samples at concentrations below Unrestricted Use SCOs but above laboratory MDLs. These compounds included tetrachloroethene (PCE), and cis-1,2-dichloroethene, which are both chlorinated VOCs. In addition, xylenes, ethylbenzene and 1,2,4-trimethylbenzene were detected in sample SB-11 (5-ft bgs). These compounds are known to be found in gasoline as well as various solvents.

SVOCs:
Three (3) soil samples were analyzed for CP-51 list SVOCs. Targeted SVOCs were not detected in any of the soil samples above laboratory MDLs.

Metals:
Three (3) soil samples were analyzed for RCRA metals. Several metals were detected in the three (3) soil samples above laboratory MDLs; however, the concentrations of metals detected do not exceed NYCRR Unrestricted Use or Residential Restricted Use SCOs.

PCBs:
One (1) soil sample was analyzed for PCBs. PCBs were not detected above laboratory MDLs in this sample.

Refer to Tables 1A through 1D for a summary of detected compounds in soil. Laboratory reports are included in Appendix 2.

5.4.2 Overburden Groundwater

A total of eleven (11) overburden groundwater samples were collected from the Site, including two (2) samples from SB-MW-07. Samples collected on June 26, 2018 were collected via dedicated bailers. Samples collected in July 2018 were collected via low-flow methods, with the exception of well SB-MW-16, which is located in the building's basement. The groundwater sample from SB-MW-16 was collected via dedicated bailer. Samples were submitted for laboratory analysis of USEPA TCL and NYSDEC CP-51 list VOCs.

One (1) or more targeted VOCs were detected above NYCRR Part 703 groundwater standards in all overburden groundwater samples with the exception of the sample from MW-SB-02, located in the northeastern portion of the Site. Compounds identified above groundwater standards were generally limited to chlorinated VOCs, with the exception of several petroleum related VOCs identified slightly above groundwater standards in well MW-SB-04, located to the southeast of the Site building.

The VOC identified at the highest concentrations is TCE. This compound was identified up to 82,900

ug/L in well MW-SB-14, located to the south of the Site building and up to 28,600 ug/L in well MW-SB-07, located to the west of the Site building. The groundwater standard for TCE is 5 ug/L. Well MW-SB-07 was originally sampled in June 2018 and was re-sampled in July 2018 to confirm the initial elevated concentrations of TCE. The concentration of TCE identified in this well in July 2018 was 10,400 ug/L.

Additional chlorinated VOCs including PCE and breakdown products were detected at concentrations above their respective groundwater standards in several wells at the Site, although at concentrations well below the TCE detections.

Refer to Table 2 for a summary of detected compounds in groundwater. Laboratory reports are included as Appendix 2.

6.0 CONCLUSIONS

LaBella was retained by ULREDC to conduct a Phase II ESA at the property located at 872 & 886 Hudson Avenue in the City of Rochester, Monroe County, New York. The ESA consisted of VOC and radiation screening within the Site Building; advancement of seventeen (17) soil borings; installation of ten (10) temporary groundwater monitoring wells; and, laboratory analysis of soil and groundwater samples. This ESA was performed to evaluate subsurface conditions throughout the Site based on historical industrial operations and the presence of fuel storage tanks in the underground vault.

The following conclusions have been made based on the results of this assessment:

- The primary contaminant of concern at the Site appears to be TCE. However, additional chlorinated VOCs, including breakdown products of TCE, were also identified at elevated concentrations in groundwater. Although the highest concentrations of TCE in groundwater were identified in the sidewalk adjacent to the south and west of the Site, these impacts appear to be emanating from the Site. Groundwater flow modeling generated from data collected in August 2018 indicates groundwater flow in the immediately vicinity of the building is to the west-northwest. The highest concentrations of TCE in soil were identified beneath the building's basement and to the south of the building, indicating the source of TCE impacts may be within the building's footprint. A precise source of the impacts (e.g., damaged drain, dry well, etc.) has not yet been identified.

- In addition to TCE impacts, apparent petroleum-related VOCs were identified at concentrations slightly above their respective NYCRR Part 703 groundwater standards in well SB-MW-04. This well is located approximately 15-ft to the northeast of the tank vault located beneath the sidewalk along Avenue D. Based on the proximity of SB-MW-04 to the vault and the building's basement, these low-level impacts may be associated with a prior petroleum release from the tanks in the vault; however, groundwater flow modeling indicates this well is hydraulically upgradient of the vault. Additional petroleum impacts were not identified in wells and soil borings surrounding the vault, indicating substantial subsurface impacts are not present associated with this vault.

- Finally, urban fill material including ash and cinders were identified at the Site, primarily in the top 3-ft of the soil column. Samples of this material were analyzed for SVOCs and metals; however, concentrations of targeted compounds were not identified above NYCRR Part 375

SCOs. As such, the urban fill present at the Site does not appear to contain high levels of these compounds. However, please note that localized areas of this fill could contain impacts.

As noted in prior sections of this report, a shallow bedrock groundwater study is currently underway at the Site. The results of this study will be submitted under separate cover.

7.0 RECOMMENDATIONS

Based on the identification of elevated concentrations of chlorinated VOCs in soil and groundwater, LaBella recommends further investigation be completed to identify a source or sources of these impacts. The levels identified also appear to warrant remediation. Prior to building occupancy, mitigation of potential soil vapor intrusion impacts via a sub-slab depressurization system is also recommended. Note that LaBella has already been retained to design this system.

Based on the planned redevelopment of the Site, further investigation and remediation is recommended to be completed through the NYSDEC's Brownfield Cleanup Program. Note that preliminary results of this investigation have already been discussed with the NYSDEC's Region 8 Division of Environmental Remediation (DER). As it appears that the project will be handled through the DER and limited petroleum impacts have been identified, LaBella also recommends that ULREDC discuss the closure of Spill #0651965 with the NYSDEC.

Finally, based on the anticipated redevelopment of the Site which will include earthwork construction for parking lot construction and utility upgrades, development of a plan to manage potentially impacted materials which may be encountered during such work is recommended. These materials may include VOC-impacted soil and/or groundwater as well as non-VOC impacted urban fill (ash, cinders, etc.) which is a regulated solid waste in New York State. If the Site is entered into the Brownfield Cleanup Program, an Interim Site Management Plan would likely be required by the NYSDEC prior to redevelopment.

A copy of all information collected during this assessment, including maps, notes, analytical data and other material will be kept on file at LaBella's office. This information is available upon request.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Report Prepared By:

Mike Marrash
Environmental Scientist

Report Reviewed By:

Jennifer Gillen, PG
Brownfield Remediation Program Manager

J:\URBAN LEAGUE OF ROCHESTER ECONOMIC DEVELOPMENT\2181763 - 872 HUDSON AVE SPILL CLOSURE\REPORTS\2181763 - 872 HUDSON AVENUE - PHASE II ESA - MM.DOCX

FIGURES

LaBella
Powered by partnership.

N
W E
S

0 500 1,000
Feet
1 inch = 1,000 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
URBAN LEAGUE OF ROCHESTER ECONOMIC DEVELOPMENT

PROJECT:

PHASE II ESA
872 & 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING NAME:

SITE LOCATION MAP

PROJECT #/DRAWING #/ DATE

2181763

FIGURE 1

8/16/2018

J:\Urban League of Rochester Economic Development\2181763 - 872 Hudson Ave Spill Closure\Drawings\Final for Report\Figure 1 - 872 Hudson Avenu.mxd

NOTES:
1) Property boundaries obtained from Monroe County GIS 2016 and are considered approximate.
2) April 2018 aerial image obtained from Pictometry International, Inc. and may not represent current conditions.
3)Testing locations measured using Arrow GPS and from Site features and are considered approximate.

LaBella
Powered by partnership.

N
W E
S

0 15 30
Feet
1 inch = 30 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
URBAN LEAGUE OF ROCHESTER ECONOMIC DEVELOPMENT

PROJECT:

PHASE II ESA
872 & 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING NAME:

TESTING LOCATIONS

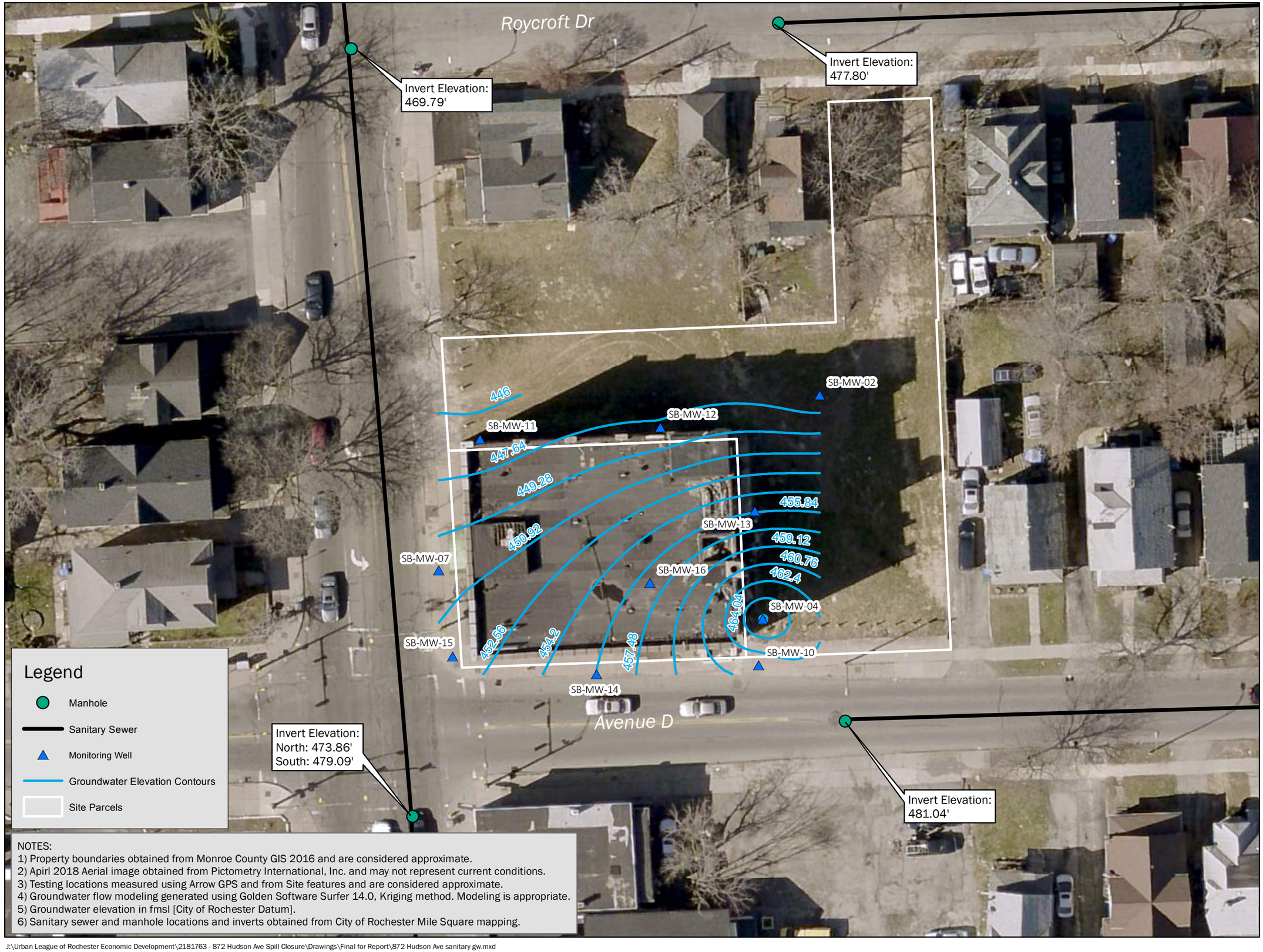
PROJECT #/DRAWING #/ DATE

2181763

FIGURE 2

8/16/2018

J:\Urban League of Rochester Economic Development\2181763 - 872 Hudson Ave Spill Closure\Drawings\Final for Report\Figure 2 - 872 Hudson Avenue.mxd



NOTES:
1) Property boundaries obtained from Monroe County GIS 2016 and are considered approximate.
2) Apirl 2018 Aerial image obtained from Pictometry International, Inc. and may not represent current conditions.
3) Testing locations measured using Arrow GPS and from Site features and are considered approximate.
4) Groundwater flow modeling generated using Golden Software Surfer 14.0, Kriging method. Modeling is appropriate.
5) Groundwater elevation in fmsl [City of Rochester Datum].
6) Sanitary sewer and manhole locations and inverts obtained from City of Rochester Mile Square mapping.

J:\Urban League of Rochester Economic Development\2181763 - 872 Hudson Ave Spill Closure\Drawings\Final for Report\872 Hudson Ave sanitary gw.mxd

LaBella
Powered by partnership.

N
W E
S

0 15 30
Feet
1 inch = 30 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
URBAN LEAGUE OF ROCHESTER ECONOMIC DEVELOPMENT

PROJECT:

PHASE II ESA
872 & 886 HUDSON AVENUE
ROCHESTER, NEW YORK

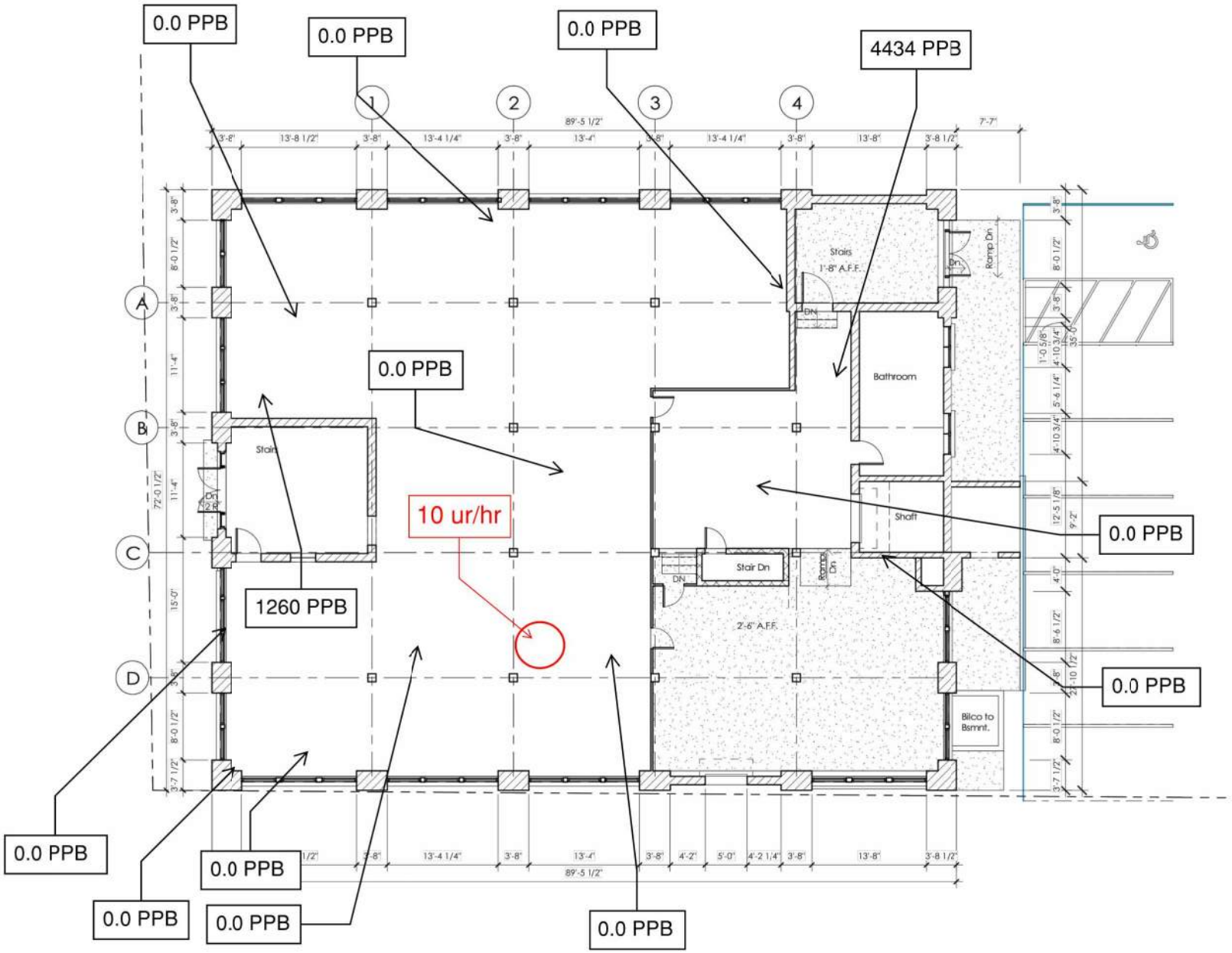
DRAWING NAME:
GROUNDWATER FLOW MODEL

PROJECT #/DRAWING #/ DATE

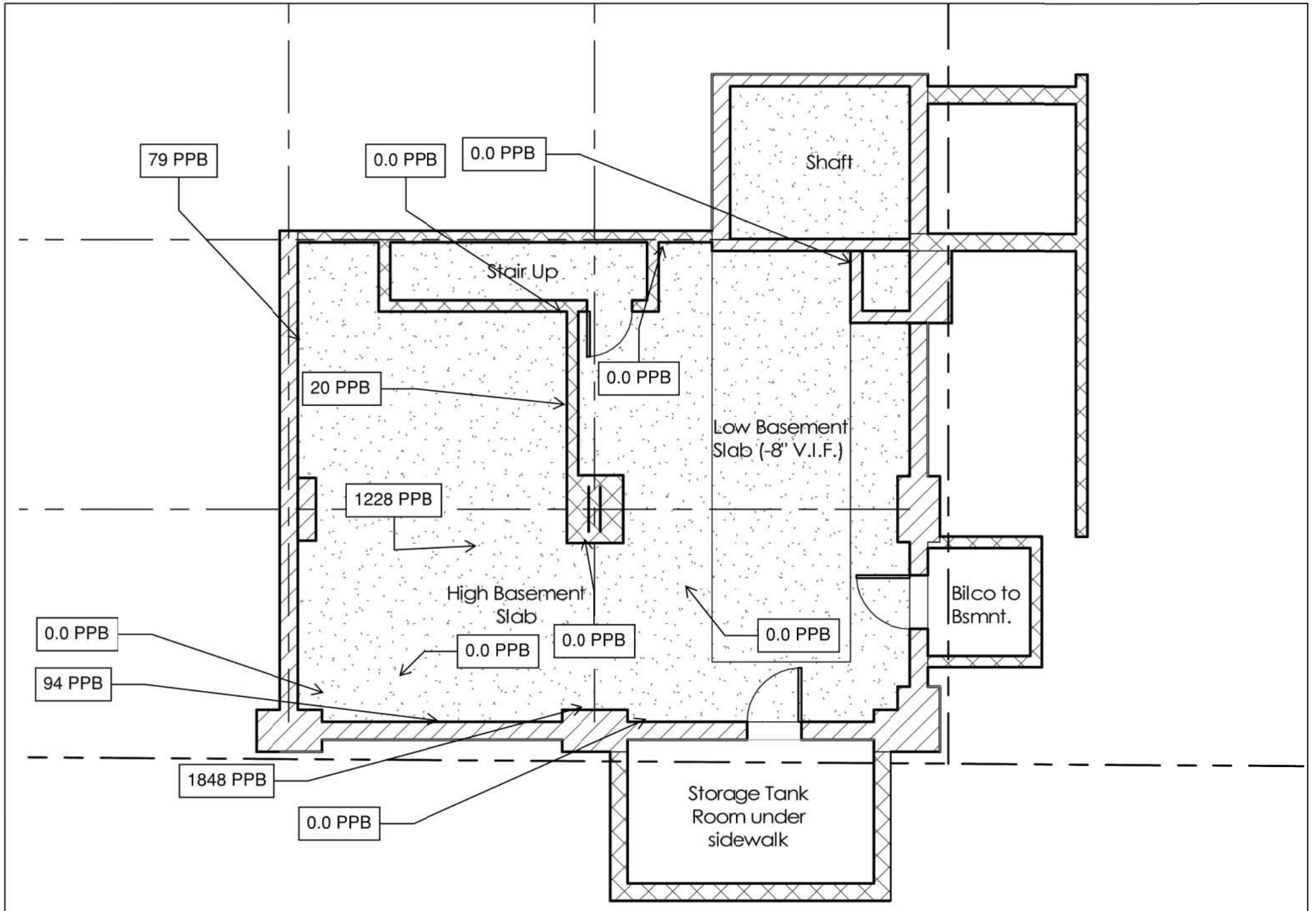
2181763

FIGURE 3

8/16/2018



LaBella Powered by partnership	PROJECT: URBAN LEAGUE OF ROCHESTER - 872 HUDSON AVENUE	SAMPLED BY: MM	FIGURE 4
	SAMPLE LOCATIONS FOR: 1ST FLOOR - VOC & Radiation Screening 2181763	DRAWN BY: DRP	
		SCALE: NOT TO SCALE	



LaBella Powered by partnership	PROJECT: URBAN LEAGUE OF ROCHESTER - 872 HUDSON AVENUE	SAMPLED BY: MM	FIGURE 5
	SAMPLE LOCATIONS FOR: BASEMENT - VOC & Radiation Screening 2181763	DRAWN BY: DRP	
		SCALE: NOT TO SCALE	

TABLES

Table 1A
Phase II Environmental Site Assessment
872 & 886 Hudson Avenue
Summary of Targeted Volatile Organic Compounds in Soil
LaBella Project # 2181794

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	SB-04		SB-08		SB-11		SB-12		SB-13		SB-14		SB-15		SB-16		SB-17	
Sample Depth (ft bgs)			7.5		13		5		18.5		20		13		13		8		7	
Sample Date			6/26/2018		6/26/2018		7/16/2018		7/16/2018		7/16/2018		7/16/2018		7/16/2018		7/16/2018		7/16/2018	
Volatile organic compounds			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Acetone	0.05	100	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
Benzene	0.06	4.8	<0.00113		<0.00112		<0.00113		<0.00109		<0.00107		<0.00107		<0.00111		<0.00111		<0.00115	J3 J6
Bromochloromethane	NL	NL	<0.00565		<0.00559		<0.00567	J4	<0.00543	J4	<0.00537	J4	<0.00535	J4	<0.00555	J4	<0.00557	J4	<0.00573	J3 J4 J6
Bromodichloromethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
Bromoform	NL	NL	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
Bromomethane	NL	NL	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3
Carbon disulfide	NL	NL	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3 J6
Carbon tetrachloride	0.76	2.4	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3 J6
Chlorobenzene	1.1	100	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
Chlorodibromomethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
Chloroethane	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
Chloroform	0.37	49	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
Chloromethane	NL	NL	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3
Cyclohexane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	
1,2-Dibromo-3-Chloropropane	NL	NL	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
1,2-Dibromoethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
Dichlorodifluoromethane	NL	NL	<0.00283		<0.00279		<0.00283	J4	<0.00272	J4	<0.00268	J4	<0.00267	J4	<0.00277	J4	<0.00279	J4	<0.00287	J3 J4
1,1-Dichloroethane	0.27	26	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
1,2-Dichloroethane	0.02	3.1	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	
1,2-Dichlorobenzene	1.1	100	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
1,3-Dichlorobenzene	2.4	49	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
1,4-Dichlorobenzene	1.8	13	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
1,1-Dichloroethene	0.33	100	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
cis-1,2-Dichloroethene	0.25	100	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		**0.00896**		<0.00287	J3 J6
trans-1,2-Dichloroethene	0.19	100	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3 J6
1,2-Dichloropropane	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	
cis-1,3-Dichloropropene	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
trans-1,3-Dichloropropene	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
Ethylbenzene	1	41	<0.00283		<0.00279		**0.022**		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
2-Hexanone	NL	NL	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
Isopropylbenzene	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
2-Butanone (MEK)	0.12	100	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
Methyl Acetate	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	
Methyl Cyclohexane	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	
Methylene Chloride	0.05	100	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	J3
4-Methyl-2-pentanone (MIBK)	NL	NL	<0.0283		<0.0279		<0.0283		<0.0272		<0.0268		<0.0267		<0.0277		<0.0279		<0.0287	
Methyl tert-butyl ether	0.93	100	<0.00113		<0.00112		<0.00113		<0.00109		<0.00107		<0.00107		<0.00111		<0.00111		<0.00115	
Naphthalene	12	100	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	
Styrene	NL	NL	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3
1,1,2,2-Tetrachloroethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	
Tetrachloroethene	1.3	19	<0.00283		**0.101**		<0.00283		<0.00272		<0.00268		**0.00826**		<0.00277		**0.201**		**0.00405**	
Toluene	0.7	100	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3 J6
1,2,3-Trichlorobenzene	NL	NL	<0.00283		<0.00279		<0.00283	J3	<0.00272	J3	<0.00268	J3	<0.00267	J3	<0.00277	J3	<0.00279	J3	<0.00287	
1,2,4-Trichlorobenzene	NL	NL	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	
1,1,1-Trichloroethane	0.68	100	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
1,1,2-Trichloroethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	
Trichloroethene	0.47	21	<0.00113		**0.495**		**0.00498**		**0.0186**		**0.00417**		**0.19**		**0.0664**		**0.605**		**0.0245**	J3 J5
Trichlorofluoromethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3
1,1,2-Trichlorotrifluoroethane	NL	NL	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
Vinyl chloride	0.02	0.9	<0.00283		<0.00279		<0.00283		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
o-Xylene	NL	NL	<0.00283		<0.00279		**0.0655**		<0.00272		<0.00268		<0.00267		<0.00277		<0.00279		<0.00287	J3 J6
m&p-Xylenes	NL	NL	<0.00452		<0.00447		**0.182**		<0.00435		<0.00429		<0.00428		<0.00444		<0.00446		<0.00459	J3 J6
Total Xylenes	0.26	100	<0.00452		<0.00447		**0.2475**		<0.00435		<0.00429		<0.00428		<0.00444		<0.00446		<0.00459	J3 J6
n-Butylbenzene	12	100	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3
sec-Butylbenzene	11	100	<0.0141		<0.0140		<0.0142		<0.0136		<0.0134		<0.0134		<0.0139		<0.0139		<0.0143	J3
tert-Butylbenzene	5.9	100	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
p-Isopropyltoluene	NL	NL	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
n-Propylbenzene	3.9	100	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
1,2,4-Trimethylbenzene	3.6	52	<0.00565		<0.00559		**0.0087**		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
1,3,5-Trimethylbenzene	8.4	52	<0.00565		<0.00559		<0.00567		<0.00543		<0.00537		<0.00535		<0.00555		<0.00557		<0.00573	J3
Total VOCs	NL	NL	None Detected		0.596		0.53068		0.0186		0.00417		0.19826		0.0664		0.81496		0.02855	

NOTES:
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)
"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).
Bold type indicates that the compound was detected at a concentration above its respective laboratory reportable limit.
Red type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
Yellow Highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO
VOCs analyzed by USEPA Method 8260
J3 indicates the associated batch QC was outside the established quality control range for precision.
J4 indicates the associated batch QC was outside the established quality control range for accuracy.
J6 indicates the sample matrix interfered with the ability to make any accurate determination; spike value is low.
NL indicates not listed
*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

Table 1B
Phase II Environmental Site Assessment
872 & 886 Hudson Avenue
Summary of Targeted Semi-Volatile Organic Compounds in Soil
LaBella Project # 2181794

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	SB-02		SB-03		SB-04	
Sample Depth (ft bgs)			18		7		7.5	
Sample Date			6/26/2018		6/26/2018		6/26/2018	
Semivolatile organic compounds			Result	Q	Result	Q	Result	Q
Acenaphthene	20	100	<0.373		<0.373		<0.373	
Acenapthylene	100	100	<0.373		<0.373		<0.373	
Anthracene	100	100	<0.373		<0.373		<0.373	
Benz(a)anthracene	1	1.0	<0.373		<0.373		<0.373	
Benzo(a)pyrene	1	1	<0.373		<0.373		<0.373	
Benzo(b)fluoranthene	1	3.9	<0.373		<0.373		<0.373	
Benzo(g,h,i)perylene	100	100	<0.373		<0.373		<0.373	
Benzo(k)fluoranthene	0.8	3.9	<0.373		<0.373		<0.373	
Chrysene	1	3.9	<0.373		<0.373		<0.373	
Dibenz(a,h)anthracene	0.33	0.56	<0.373		<0.373		<0.373	
Fluoranthene	100	100	<0.373		<0.373		<0.373	
Fluorene	30	100	<0.373		<0.373		<0.373	
Indeno(1,2,3-cd)pyrene	0.5	0.5	<0.373		<0.373		<0.373	
Naphthalene	12	100	<0.373		<0.373		<0.373	
Phenanthrene	100	100	<0.373		<0.373		<0.373	
Pyrene	100	100	<0.373		<0.373		<0.373	

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold type indicates that the compound was detected at a concentration above its respective laboratory reportable limit.

Red type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow Highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

SVOCs analyzed by USEPA Method 8270

NL indicates not listed

*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

Table 1C
Phase II Environmental Site Assessment
872 & 886 Hudson Avenue
Summary of Targeted Metals in Soil
LaBella Project # 2181794

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	SB-02		SB-03		SB-04	
Sample Depth (ft bgs)			3		3		7.5	
Sample Date			6/26/2018		6/26/2018		6/26/2018	
Metals			Result	Q	Result	Q	Result	Q
Arsenic	13	16	**2.91**		**3.63**		**3.29**	
Barium	350	400	**40.4**		**25.7**		**32**	
Cadmium	2.5	4.3	<0.566		<0.565		<0.565	
Chromium, trivalent	30	180	**8.01**		**6.11**		**6.44**	
Lead	63	400	**37.3**		**14.5**		**4.89**	
Selenium	3.9	180	<2.26		<2.26		<2.26	
Silver	2	180	<1.13		1.18		<1.13	

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold type indicates that the compound was detected at a concentration above its respective laboratory reportable limit.

Red type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow Highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Metals analyzed by USEPA Method 6010/7470

NL indicates not listed

*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

Table 1D
Phase II Environmental Site Assessment
872 & 886 Hudson Avenue
Summary of Targeted Polychlorinated Biphenyls in Soil
LaBella Project # 2181794

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	SB-04	
Sample Depth (ft bgs)			7.5	
Sample Date			6/26/2018	
PCBs			Result	Q
PCB 1016	NS	NS	<0.0192	
PCB 1221	NS	NS	<0.0192	
PCB 1232	NS	NS	<0.0192	
PCB 1242	NS	NS	<0.0192	
PCB 1248	NS	NS	<0.0192	
PCB 1254	NS	NS	<0.0192	
PCB 1260	NS	NS	<0.0192	
Total PCBs	0.1	1	None Detected	

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold type indicates that the compound was detected at a concentration above its respective laboratory reportable limit.

Red type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow Highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

PCBs analyzed by USEPA Method 8082

NL indicates not listed

*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

Table 2
Phase II Environmental Site Assessment
872 & 886 Hudson Avenue
Summary of Targeted Volatile Organic Compounds in Groundwater
LaBella Project # 2181794

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-SB-02		MW-SB-04		MW-SB-07		MW-SB-07		MW-SB-10		MW-SB-11		MW-SB-12		MW-SB-13		MW-SB-14		MW-SB-15		MW-SB-16	
Screened Interval (ft bgs)		2-7		2-7		7-12		7-12		7-12		9.8-19.8		8.5-18.5		10-20		10-20		10-20		0-8	
Sample Date		6/26/2018		6/26/2018		6/26/2018		7/17/2018		6/26/2018		7/17/2018		7/17/2018		7/17/2018		7/17/2018		7/17/2018		7/17/2018	
Volatile organic compounds		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Acetone	50	<50.0		<50.0		<50.0		<50.0		<50.0		<50.0		<100		<50.0		<2500		<50.0		<50.0	
Benzene	1	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Bromochloromethane	NL	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Bromodichloromethane	50	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Bromoform	50	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Bromomethane	5	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
Carbon disulfide	60	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Carbon tetrachloride	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Chlorobenzene	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Chlorodibromomethane	50	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Chloroethane	5	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
Chloroform	7	<5.00		**5.95**		<5.00		<5.00		**20.6**		<5.00		<10.0		<5.00		<250		<5.00		**8.84**	
Chloromethane	5	<2.50		<2.50		<2.50		<2.50		<2.50		<2.50		<5.00		<2.50		<125		<2.50		<2.50	
Cyclohexane	NL	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2-Dibromo-3-Chloropropane	0.04	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
1,2-Dibromoethane	0.0006	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Dichlorodifluoromethane	5	<5.00		<5.00		<5.00		<1.00		<5.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,1-Dichloroethane	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2-Dichloroethane	0.6	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2-Dichlorobenzene	3	<1.00		<1.00		<1.00		<5.00		<1.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
1,3-Dichlorobenzene	3	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,4-Dichlorobenzene	3	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,1-Dichloroethene	5	<1.00		<1.00		**9.83**		**3.87**		<1.00		<1.00		<2.00		<1.00		<50.0		**7.57**		<1.00	
cis-1,2-Dichloroethene	5	<1.00		<1.00		**99.8**		**45**		<1.00		**2.62**		**19.2**		<1.00		**133**		**166**		**46.3**	
trans-1,2-Dichloroethene	5	<1.00		<1.00		**17.1**		**6.08**		<1.00		<1.00		<2.00		<1.00		**70.9**		**77.9**		<1.00	
1,2-Dichloropropane	1	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
cis-1,3-Dichloropropene	0.4	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
trans-1,3-Dichloropropene	0.4	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Ethylbenzene	5	<1.00		<1.00		<1.00		<1.00		<1.00		2.2		<2.00		<1.00		<50.0		<1.00		<1.00	
2-Hexanone	50	<10.0		<10.0		<10.0		<10.0		<10.0		<10.0		<20.0		<10.0		<500		<10.0		<10.0	
Isopropylbenzene	5	<1.00		1.47		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
2-Butanone (MEK)	50	<10.0		<10.0		<10.0		<10.0		<10.0		<10.0		**68.7**		<10.0		<500		<10.0		<10.0	
Methyl Acetate	NL	<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		<40.0		<20.0		<1000		<20.0		<20.0	
Methyl Cyclohexane	NL	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Methylene Chloride	5	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
4-Methyl-2-pentanone (MIBK)	NL	<10.0		<10.0		<10.0		<10.0		<10.0		<10.0		<20.0		<10.0		<500		<10.0		<10.0	
Methyl tert-butyl ether	10	**2.81**		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Naphthalene	10	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
Styrene	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,1,2,2-Tetrachloroethane	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Tetrachloroethene	5	<1.00		<1.00		**247**		**53**		<1.00		<1.00		<2.00		**15.6**		2270		**5.14**		**64.4**	
Toluene	5	<1.00		<1.00		**1.23**		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2,3-Trichlorobenzene	NL	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2,4-Trichlorobenzene	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,1,1-Trichloroethane	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,1,2-Trichloroethane	1	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		**1.89**	
Trichloroethene	5	<1.00		<1.00		**28600**		**10400**		<1.00		**2.95**		**7.63**		**275**		**82900**		**1200**		**428**	
Trichlorofluoromethane	5	<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<10.0		<5.00		<250		<5.00		<5.00	
1,1,2-Trichlorotrifluoroethane	5	<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Vinyl chloride	2	<1.00		<1.00		1.49		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		**8.15**		**2.95**	
o-Xylene	5	<1.00		<1.00		<1.00		<1.00		<1.00		**3.9**		<2.00		**1.01**		<50.0		<1.00		<1.00	
m&p-Xylenes	5	<2.00		<2.00		<2.00		<2.00		<2.00		**9.26**		<4.00		**2.39**		<100		<2.00		<2.00	
n-Butylbenzene	5	<1.00		**4.85**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
sec-Butylbenzene	5	<1.00		**7.65**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
tert-Butylbenzene	5	<1.00		**1.14**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
p-Isopropyltoluene	5	<1.00		**14.9**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
n-Propylbenzene	5	<1.00		**3.51**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,2,4-Trimethylbenzene	5	<1.00		**67.8**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
1,3,5-Trimethylbenzene	5	<1.00		**37.4**		<1.00		<1.00		<1.00		<1.00		<2.00		<1.00		<50.0		<1.00		<1.00	
Total VOCs	NL	2.81		144.67		28,976.45		10,507.95		20.60		20.93		95.53		294.00		85,373.90		1,464.76		552.38	

NOTES:
All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)
"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).
Bold type indicates that the compound was detected at a concentration above its respective laboratory reportable limit.
Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard or Guidance Value
* indicates no Part 703 Standard, Guidance Value is listed
VOCs analyzed by USEPA Method 8260
NL Indicates Not Listed

APPENDIX 1

Field Logs

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment

Location:

872 & 886 Hudson Avenue, Rochester, NY 14621

Client:

Urban League of Rochester Economic Development Corporation

BORING: SB-01
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM

BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018

TIME: 0930 TO 1000
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	2.5		0	Fill, urban fill, dry. No odor, dark brown. Medium subangular gravel.	0	
1			1	Trace cinders, minor ash. Asphalt debris, dry. Mild odor, dark brown, some silt.	11.8	
2						
3			2.5	Moist, cinder, urban fill w/ debris. Dark brown, mild odor, some staining. Some silt, minor subangular gravel.	12.3	
4						
5				As above.	9.8	Sample
				End of boring 5' refusal.	8.7	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Samples collected from 4.5 feet bgs.
N/A	N/A	N/A	5	5.0	NO	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-01

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-02
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 1015 TO 1050
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4		0	Silt, dry. No odor, brown. Medium subangular gravel. No staining.	0	
1						
2			2	Darker brown, no odor, no stainnig, damp. Minor subangular gravel.	0	
3			3	Dark, damp. Subangular gravel, mild staining, some larger gravel. Silt.	0.3	Sample
4						
5	4.5		5	Silt, brown, damp. No odor, no staining, gravel.	0	
6			6	Larger gravel, dry, no odor, some silt. No staining.	0	
7						
8			8	Tightly packed silt, no odor, no gravel. Trace clay. Less gravel. Brown.	0	
9			9	Some clay, silt, moist, no odor, no staining, no gravel.	0	
10	5					
11				As above.	0	
12						
13					0	
14						
15	5			As above, GW encountered.	0	
16						
17						
18						Sample
19						
20				Refusal 19.5 end of boring.	0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	VOC/SVOC collected at 18' bgs Metals/PCB collected at 3'
N/A	N/A	N/A	15	19.5	YES	Monitoring Well Installed MW-02

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-02

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment

Location:

872 & 886 Hudson Avenue, Rochester, NY 14621

Client:

Urban League of Rochester Economic Development Corporation

BORING: SB-03
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM

BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018

TIME: 11105 TO 1130
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	3.5		0	Silt, dry. No odor, gray. Medium subangular gravel. No staining.	0	
1			1	Urban fill, cinders, black. No odor, no staining, minor subrounded gravel.	0	
2						
3				As above.	0	Sample
4						
5	2		5	Dry, less gravel, some silt.	0	
6			6	No odor, no staining, silt. Dry, less gravel.	0	
7				Refusal 7.2 end of boring.	0	Sample
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	VOC/SVOC collected from 7.2' bgs. Metals/PCB collected from 3' bgs.
N/A	N/A	N/A	5	7.2	NO	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-03

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-04
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 11145 TO 1230
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	2.5		0	Silt, dry. No odor, gray. Medium subangular gravel. No staining.	0	
1						
2			2	Urban fill, ash, silt. No odor, dry, medium subangular gravel.	0	
3						
4			4	Moist, staining, mild odor, petroleum odor. Silt, minor gravel.	0	Visible impacts but no VOC detected with PID.
5	5		5	As above. Mild staining, wet, mild odor.	0	Sample
6			6	Silt, wet, odor. Black, minor gravel. Mild staining.	1.2	
7						
8			7.5	Silt, no staining, odor. Moist, tightly packed silt, no gravel.	176.6	Sample
9					113 72	
10	0		10	No odor, no staining, tightly packed silt. No gravel.	0	
11						
12						10-15 couldn't be recovered.
13						
14						
15			15	End of boring 15'	0	
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	VOC/SVOC collected from 7.5 bgs. Metals/PCB collected from 4 bgs.
N/A	N/A	N/A	10	15.0	YES	Monitoring Well Installed MW-04.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-04

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment

Location:

872 & 886 Hudson Avenue, Rochester, NY 14621

Client:

Urban League of Rochester Economic Development Corporation

BORING: SB-05
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM

BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018

TIME: 1235 TO 1315
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4.5		0	Silt, dry. No odor, gray. Trace subangular gravel. No staining.	0	
1						
2						
3			3	Silt, dry. No gravel, no odor, no staining. Tightly packed.	0	
4				As above.	0	
5	5		5	Damp, tightly packed silt. Trace, subangular gravel. No odor, no staining.	0	
6						
7				As above.	0	
8						
9						
10	5		10	Wet, silt, tightlly packed, no odor, no staining. No gravel.	0	
11						
12						
13						
14						
15			15	End of boring 15'	0	Sample
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 15' bgs.
N/A	N/A	N/A	10	15.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-05

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment

Location:

872 & 886 Hudson Avenue, Rochester, NY 14621

Client:

Urban League of Rochester Economic Development Corporation

BORING: SB-06
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM

BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018

TIME: 1325 TO 1405
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4.5		0	Urban fill, cinders, ash, black, no odor, no staining.	0	
1			1	Dry, silt, minor subangular gravel, no odor. Tightly packed.	0	
2						
3						
4						
5	5		5	As above.	0	
6			6	Minor gravel, silt, no odor, damp, some fill. No staining.	0	
7						
8			8	Tightly packed silt, moist, no odor, no staining, light brown. No gravel.	0	
9						
10	5		10	Silt, moist, trace clay, no gravel. No staining, no odor.	0	
11						
12				As above.	0	
13						
14						
15			15	End of boring 15'	0	Sample
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 15' bgs.
N/A	N/A	N/A	10	15.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-06

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-07
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 1410 TO 1445
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	3		0	Gravel, minor subrounded, no odor, dry, silt.	0	
1			1	Silt, tightly packed, less gravel, light brown, no odor, no stainnig. Trace clay, no fill.	0	
2						
3						
4						
5	4		5	As above.	0	
6			6	Damp, silt, no odor, no gravel, no staining, no fill. Light brown.	0	
7						
8				As above.	0	
9						
10	5		10	Damp, tightly packed silt. Trace clay, no gravel.	0.6	
11						
12			12	Very tightly packed silt, trace clay, mild staining, no odor, damp.	10.6	
13						
14				As above.	3.7	
15	2.5		15	Silt, wet, no odor. Mild staining, silt. No gravel.	11.5	
16						
17			17	Tightly packed silt, gray, moist, no gravel. No odor, mild staining.	62.5	No odors associated w/ elevated PID readings.
18						
19				Refusal 17.5' end of boring.		
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 16.5' bgs.
N/A	N/A	N/A	12.5	17.5	YES	Monitoring Well Installed MW-07

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-08
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 1455 TO 1540
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4		0	Silt, tightly packed, dry. Minor subangular gravel. No odor, no staining. Light brown.	0	
1						
2						
3				As above.	0	
4						
5	5		5	Tightly packed silt, dry, minor subrounded gravel. No odor, no staining.	0	
6						
7						
8			7.5	Moist, silt, no odor, less gravel. No staining.	0	
9						
10	5		10	Moist and minor subanglular gravel. No odor, no staining, silt.	0	
11						
12						
13			13	Gray, staining, mild odor. Silt, no gravel, moist.	163.5	Sample
14						
15	3		15	As above.	79.5	
16					63	
17				As above.	29.5	
18				Refusal 18'. End of boring.	19.1	
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 13' bgs.
N/A	N/A	N/A	13	18.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-08

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-09
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 1550 TO 1630
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	1		0	Silt, dry, minor subrounded gravel. No odor, no staining.	0	
1						
2						
3				As above.	0	
4						
5	5		5	Moist, tightly packed silt, minor gravel. Light brown, no odor, no staining.	0	
6						
7						
8				As above.	0	
9						
10	5		10	As above. No odor.	0	
11						
12						
13				As above.	0	
14						
15			15	End of boring 15'	0	Sample
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 15' bgs.
N/A	N/A	N/A	10	15.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-09

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-10
SHEET 1 OF 1
JOB: 2181794
CHKD BY: JG
DATE: 6/26/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: PW
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 6/26/2018 END DATE: 6/26/2018
TIME: 1640 TO 1725
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	3		0	Silt, dry, minor subrounded gravel. No odor, no staining.	0	
1						
2						
3			3	Tightly packed silt, damp, no gravel, brown. No odor, no staining.	0	
4						
5	4		5	Tightly packed moist silt, no odor, minor subangular gravel, no staining.	0	
6						
7				As above.	0	
8						
9						
10	5			GW observed. As above.	0	
11						
12				As above.	0	
13						
14						
15			15	End of boring 15' bgs.	0	Sample
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	All samples collected from 15' bgs.
N/A	N/A	N/A	10	15.0	YES	Monitoring Well Installed

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-10

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-11
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 0930 TO 1020
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4.5		0	Silt, dry, minor subrounded gravel. No odor, no staining. Minor ash.	0	
1						
2			1.5	Packed silt, chemical odor, no gravel, no staining. Dry, minor gravel.	4.1	
3			3	Strong odor, silt, no staining, no gravel. Dry.	13.6	
4						
5	5		5	Gray, dry, silt, no staining, strong odor, no gravel.	128.6	Sample collected.
6						
7				As above.	114	
8				As above.	17	
9						
10	3		10	Silt, minor gravel, no odor, no staining. Moist, light brown.	1.8	
11			11	Silt, minor gravel, no odor, no staining, Moist.	0	
12						
13			13	Moist, no odor, gray, silt, no gravel. No staining.	0	
14						
15	5		15	Sandy, silt, moist, no gravel, gray, no odor, no staining.	0	
16						
17						
18						
19						
20				19.8 Refusal	0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-11 Installed
N/A	N/A	N/A	11.8	19.8	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-12
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1030 TO 1100
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4.5		0	Silt, dry, minor subrounded gravel. No odor, no staining. Minor ash.	0	
1						
2			2	No gravel, silt, some sand, dry, no odor, no staining.	0	
3						
4						
5	2.5		5	Silt, dry, tightly packed. No odor, no staining, minor gravel.	0	
6						
7						
8				As above.	0	
9						
10	5		10	Moist, tightly packed silt. Some sand. No odor, no staining.	0	
11						
12				As above	0	
13						
14						
15	5		15	As above	0	
16						
17						
18				18.5 refusal.	0	Sample Collected 18.5'
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-12 Installed
N/A	N/A	N/A	8.5	18.5	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-13
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1120 TO 1210
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	3		0	Silt, dry, minor subrounded gravel. No odor, no staining.	0	
1						
2			2	Sandy silt, no gravel, no odor, no staining.	0	
3						
4						
5	4		5	Sand, no odor, no gravel, no staining. Dry.	0	
6						
7				As above.	0	
8						
9						
10	5		10	Silt, moist, some sand. No gravel, no odor, no staining.	0	
11						
12						
13						
14						
15	5		15	As above.	0	
16						
17						
18						
19						
20			20	End of Boring 20'	0	Sample Collected 20'

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-13 Installed
N/A	N/A	N/A	10	20.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-13

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-14
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1120 TO 1210
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	4		0	Silt, dry, minor subrounded gravel. No odor, no staining.	0	
1						
2						
3						
4			4	Tightly packed silt, no odor, no staining. Dry, minor gravel.	0	
5	4.5		5	Dry, silt, very minor gravel. No odor, no staining,	0	
6						
7						
8			8	As above, moist.	0	
9						
10	4.5		10	Dry, no odor, no staining, minor gravel. Moist.	13.1	
11						
12			12	As above, minor odor.	29.1	
13			13	Odor, visible impact, no staining, no gravel, silt.	292.7	Sample 13'
14						
15	5		15	Moist, no odor, no staining, silt. No visible impact.	31.7	
16			16	Wet, groundwater, silt, no odor, no staining. Minor gravel.	2.7	
17						
18				As above.	1.6	
19						
20				End of Boring 20'		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-14 Installed
N/A	N/A	N/A	10	20.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-14

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-15
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1235 TO 1340
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	2		0	Silt, dry, minor subrounded gravel. No odor, no staining.	0	
1						
2						
3						
4						
5	4.5		5	Light brown, tightly packed silt. No gravel, dry. No odor.	0	
6						
7						
8				As above.	0	
9						
10	5		10	Damp/moist silt, no gravel, minor odor, no staining, light brown.	21.7	
11						
12					45.1	
13			13	No odor, no staining, light brown tightly packed silt.	69.1	Sample collected.
14					3.1	
15	5		15	Silt, moist, no gravel, gray. No odor, no staining.	0.8	
16						
17				tightly packed silt, moist.	0	
18						
19					0	
20				20' end of boring.		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-15 Installed
N/A	N/A	N/A	10	20.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-15

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Location:
872 & 886 Hudson Avenue, Rochester, NY 14621
Client:
Urban League of Rochester Economic Development Corporation

BORING: SB-16
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1355 TO 1505
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0		0	Silt, gravel, medium sub-angular, no staining, no odor, wet.	0	
1			1	Silt, less gravel, no staining, no odor, light brown.	0	
2	0.5					
3			3.5	No odor, no staining, wet. No gravel.	0	
4	1					
5						
6	2			as above	0	
7						
8	2			8' end of boring.	0	Sample collected 8'
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MWSB-16 Installed
N/A	N/A	N/A	8	8.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-16

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment

Location:

872 & 886 Hudson Avenue, Rochester, NY 14621

Client:

Urban League of Rochester Economic Development Corporation

BORING: SB-17
SHEET 1 OF 1
JOB: 2181763
CHKD BY: JG
DATE: 7/16/2018

CONTRACTOR: LaBella Env. LLC
DRILLER: MP
LABELLA REPRESENTATIVE: MM
BORING LOCATION: See Figure
GROUND SURFACE ELEVATION NA
START DATE: 7/16/2018 END DATE: 7/16/2018
TIME: 1510 TO 1620
DATUM: NA
WEATHER: 80 F/Sunny

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0		0	Silt, gravel, medium sub-angular, no staining, no odor, wet.	0	
1						
2	2		1.5	No odor, no staining, no gravel. Light brown. Wet.	0	
3						
4	1.5		4	Wet, silt, no gravel, no odor, no staining. Light brown.	0	
5						
6	0.5					
7				7' end of boring.	0	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
N/A	N/A	N/A	7	7.0	YES	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

BORING: SB-17

APPENDIX 2

Laboratory Report

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 09, 2018

LaBella Associates, P.C.

Sample Delivery Group:	L1005871
Samples Received:	06/29/2018
Project Number:	2181794
Description:	872 Hudson Ave

Report To: Mr. Mike Marrash
300 State Street, Suite 201
Rochester, NY 14614

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 Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

SB-02 L1005871-01 Solid

Collected by: Mike Marrash | Collected date/time: 06/26/18 09:45 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1134085	1	07/05/18 15:46	07/05/18 15:52	JD
Mercury by Method 7471B	WG1133412	1	07/03/18 12:20	07/04/18 01:31	EL
Metals (ICP) by Method 6010C	WG1133282	1	07/05/18 07:24	07/06/18 09:31	CCE
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1133526	10	07/03/18 16:18	07/05/18 18:19	JNS

SB-03 L1005871-02 Solid

Collected by: Mike Marrash | Collected date/time: 06/26/18 10:00 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1134085	1	07/05/18 15:46	07/05/18 15:52	JD
Mercury by Method 7471B	WG1133412	1	07/03/18 12:20	07/04/18 01:34	EL
Metals (ICP) by Method 6010C	WG1133282	1	07/05/18 07:24	07/06/18 09:34	CCE
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1133526	10	07/03/18 16:18	07/05/18 18:45	JNS

SB-04 L1005871-03 Solid

Collected by: Mike Marrash | Collected date/time: 06/26/18 11:15 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1134198	1	07/06/18 08:46	07/06/18 08:52	JD
Mercury by Method 7471B	WG1133412	1	07/03/18 12:20	07/04/18 01:36	EL
Metals (ICP) by Method 6010C	WG1133282	1	07/05/18 07:24	07/06/18 09:44	CCE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1132583	1	06/30/18 09:56	07/01/18 19:00	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1133631	1	06/30/18 09:56	07/04/18 15:10	JHH
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1133540	1	07/05/18 20:26	07/06/18 11:35	RP
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1133526	1	07/03/18 16:18	07/05/18 14:02	JNS

SB-08 L1005871-04 Solid

Collected by: Mike Marrash | Collected date/time: 06/26/18 15:30 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1134198	1	07/06/18 08:46	07/06/18 08:52	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1132583	1	06/30/18 09:56	07/01/18 19:18	BMB

MW-SB-02 L1005871-05 GW

Collected by: Mike Marrash | Collected date/time: 06/26/18 17:00 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1134283	1	07/06/18 05:16	07/06/18 05:16	DWR

MW-SB-04 L1005871-06 GW

Collected by: Mike Marrash | Collected date/time: 06/26/18 17:20 | Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1135068	1	07/08/18 14:05	07/08/18 14:05	ACG

MW-SB-07 L1005871-07 GW

Collected by: Mike Marrash
Collected date/time: 06/26/18 17:35
Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1134283	1	07/06/18 05:56	07/06/18 05:56	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1135068	5000	07/08/18 14:25	07/08/18 14:25	ACG

MW-SB-10 L1005871-08 GW

Collected by: Mike Marrash
Collected date/time: 06/26/18 17:50
Received date/time: 06/29/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1134283	1	07/06/18 06:16	07/06/18 06:16	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1135068	1	07/08/18 14:45	07/08/18 14:45	ACG

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	88.4		1	07/05/2018 15:52	WG1134085

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	67.8		22.6	1	07/04/2018 01:31	WG1133412

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	2910		2260	1	07/06/2018 09:31	WG1133282
Barium	40400		566	1	07/06/2018 09:31	WG1133282
Cadmium	ND		566	1	07/06/2018 09:31	WG1133282
Chromium	8010		1130	1	07/06/2018 09:31	WG1133282
Lead	37300		566	1	07/06/2018 09:31	WG1133282
Selenium	ND		2260	1	07/06/2018 09:31	WG1133282
Silver	ND		1130	1	07/06/2018 09:31	WG1133282

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	ND		373	10	07/05/2018 18:19	WG1133526
Acenaphthylene	ND		373	10	07/05/2018 18:19	WG1133526
Acenaphthene	ND		373	10	07/05/2018 18:19	WG1133526
Benzo(a)anthracene	ND		373	10	07/05/2018 18:19	WG1133526
Benzo(a)pyrene	ND		373	10	07/05/2018 18:19	WG1133526
Benzo(b)fluoranthene	ND		373	10	07/05/2018 18:19	WG1133526
Benzo(g,h,i)perylene	ND		373	10	07/05/2018 18:19	WG1133526
Benzo(k)fluoranthene	ND		373	10	07/05/2018 18:19	WG1133526
Chrysene	ND		373	10	07/05/2018 18:19	WG1133526
Dibenz(a,h)anthracene	ND		373	10	07/05/2018 18:19	WG1133526
Fluoranthene	ND		373	10	07/05/2018 18:19	WG1133526
Fluorene	ND		373	10	07/05/2018 18:19	WG1133526
Indeno(1,2,3-cd)pyrene	ND		373	10	07/05/2018 18:19	WG1133526
Naphthalene	ND		373	10	07/05/2018 18:19	WG1133526
Phenanthrene	ND		373	10	07/05/2018 18:19	WG1133526
Pyrene	ND		373	10	07/05/2018 18:19	WG1133526
(S) Nitrobenzene-d5	*72.0*		*31.0-146*		*07/05/2018 18:19*	WG1133526
(S) 2-Fluorobiphenyl	*65.8*		*31.0-130*		*07/05/2018 18:19*	WG1133526
(S) p-Terphenyl-d14	*62.0*		*20.0-127*		*07/05/2018 18:19*	WG1133526

Sample Narrative:

L1005871-01 WG1133526: diluted due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	07/05/2018 15:52	WG1134085

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	106		22.6	1	07/04/2018 01:34	WG1133412

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	3630		2260	1	07/06/2018 09:34	WG1133282
Barium	25700		565	1	07/06/2018 09:34	WG1133282
Cadmium	ND		565	1	07/06/2018 09:34	WG1133282
Chromium	6110		1130	1	07/06/2018 09:34	WG1133282
Lead	14500		565	1	07/06/2018 09:34	WG1133282
Selenium	ND		2260	1	07/06/2018 09:34	WG1133282
Silver	1180		1130	1	07/06/2018 09:34	WG1133282

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	ND		373	10	07/05/2018 18:45	WG1133526
Acenaphthylene	ND		373	10	07/05/2018 18:45	WG1133526
Acenaphthene	ND		373	10	07/05/2018 18:45	WG1133526
Benzo(a)anthracene	ND		373	10	07/05/2018 18:45	WG1133526
Benzo(a)pyrene	ND		373	10	07/05/2018 18:45	WG1133526
Benzo(b)fluoranthene	ND		373	10	07/05/2018 18:45	WG1133526
Benzo(g,h,i)perylene	ND		373	10	07/05/2018 18:45	WG1133526
Benzo(k)fluoranthene	ND		373	10	07/05/2018 18:45	WG1133526
Chrysene	ND		373	10	07/05/2018 18:45	WG1133526
Dibenz(a,h)anthracene	ND		373	10	07/05/2018 18:45	WG1133526
Fluoranthene	ND		373	10	07/05/2018 18:45	WG1133526
Fluorene	ND		373	10	07/05/2018 18:45	WG1133526
Indeno(1,2,3-cd)pyrene	ND		373	10	07/05/2018 18:45	WG1133526
Naphthalene	ND		373	10	07/05/2018 18:45	WG1133526
Phenanthrene	ND		373	10	07/05/2018 18:45	WG1133526
Pyrene	ND		373	10	07/05/2018 18:45	WG1133526
(S) Nitrobenzene-d5	*79.0*		*31.0-146*		*07/05/2018 18:45*	WG1133526
(S) 2-Fluorobiphenyl	*76.9*		*31.0-130*		*07/05/2018 18:45*	WG1133526
(S) p-Terphenyl-d14	*73.6*		*20.0-127*		*07/05/2018 18:45*	WG1133526

Sample Narrative:

L1005871-02 WG1133526: diluted due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	07/06/2018 08:52	WG1134198

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	ND		22.6	1	07/04/2018 01:36	WG1133412

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	3290		2260	1	07/06/2018 09:44	WG1133282
Barium	32000		565	1	07/06/2018 09:44	WG1133282
Cadmium	ND		565	1	07/06/2018 09:44	WG1133282
Chromium	6440		1130	1	07/06/2018 09:44	WG1133282
Lead	4890		565	1	07/06/2018 09:44	WG1133282
Selenium	ND		2260	1	07/06/2018 09:44	WG1133282
Silver	ND		1130	1	07/06/2018 09:44	WG1133282

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		28.3	1	07/01/2018 19:00	WG1132583
Benzene	ND		1.13	1	07/01/2018 19:00	WG1132583
Bromochloromethane	ND		5.65	1	07/01/2018 19:00	WG1132583
Bromodichloromethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Bromoform	ND		28.3	1	07/01/2018 19:00	WG1132583
Bromomethane	ND		14.1	1	07/01/2018 19:00	WG1132583
Carbon disulfide	ND		14.1	1	07/01/2018 19:00	WG1132583
Carbon tetrachloride	ND		5.65	1	07/01/2018 19:00	WG1132583
Chlorobenzene	ND		2.83	1	07/01/2018 19:00	WG1132583
Chlorodibromomethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Chloroethane	ND		5.65	1	07/01/2018 19:00	WG1132583
Chloroform	ND		2.83	1	07/01/2018 19:00	WG1132583
Chloromethane	ND	J3 J4	14.1	1	07/01/2018 19:00	WG1132583
Cyclohexane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,2-Dibromo-3-Chloropropane	ND	J0	28.3	1	07/01/2018 19:00	WG1132583
1,2-Dibromoethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Dichlorodifluoromethane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,1-Dichloroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,2-Dichloroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,2-Dichlorobenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,3-Dichlorobenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,4-Dichlorobenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,1-Dichloroethene	ND		2.83	1	07/01/2018 19:00	WG1132583
cis-1,2-Dichloroethene	ND		2.83	1	07/01/2018 19:00	WG1132583
trans-1,2-Dichloroethene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,2-Dichloropropane	ND		5.65	1	07/01/2018 19:00	WG1132583
cis-1,3-Dichloropropene	ND		2.83	1	07/01/2018 19:00	WG1132583
trans-1,3-Dichloropropene	ND		5.65	1	07/01/2018 19:00	WG1132583
Ethylbenzene	ND		2.83	1	07/01/2018 19:00	WG1132583
2-Hexanone	ND		28.3	1	07/01/2018 19:00	WG1132583
Isopropylbenzene	ND		2.83	1	07/01/2018 19:00	WG1132583
2-Butanone (MEK)	ND		28.3	1	07/01/2018 19:00	WG1132583
Methyl Acetate	ND		5.65	1	07/01/2018 19:00	WG1132583

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Methyl Cyclohexane	ND		5.65	1	07/01/2018 19:00	WG1132583
Methylene Chloride	ND		28.3	1	07/01/2018 19:00	WG1132583
4-Methyl-2-pentanone (MIBK)	ND		28.3	1	07/01/2018 19:00	WG1132583
Methyl tert-butyl ether	ND		1.13	1	07/01/2018 19:00	WG1132583
Naphthalene	ND	J0 J4	14.1	1	07/01/2018 19:00	WG1132583
Styrene	ND		14.1	1	07/01/2018 19:00	WG1132583
1,1,2,2-Tetrachloroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Tetrachloroethene	ND		2.83	1	07/04/2018 15:10	WG1133631
Toluene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,2,3-Trichlorobenzene	ND	J0 J3 J4	2.83	1	07/01/2018 19:00	WG1132583
1,2,4-Trichlorobenzene	ND		14.1	1	07/01/2018 19:00	WG1132583
1,1,1-Trichloroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,1,2-Trichloroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Trichloroethene	ND		1.13	1	07/01/2018 19:00	WG1132583
Trichlorofluoromethane	ND		2.83	1	07/01/2018 19:00	WG1132583
1,1,2-Trichlorotrifluoroethane	ND		2.83	1	07/01/2018 19:00	WG1132583
Vinyl chloride	ND		2.83	1	07/01/2018 19:00	WG1132583
o-Xylene	ND		2.83	1	07/01/2018 19:00	WG1132583
m&p-Xylenes	ND		4.52	1	07/01/2018 19:00	WG1132583
n-Butylbenzene	ND		14.1	1	07/01/2018 19:00	WG1132583
sec-Butylbenzene	ND		14.1	1	07/01/2018 19:00	WG1132583
tert-Butylbenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,2,4-Trimethylbenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
1,3,5-Trimethylbenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
n-Propylbenzene	ND		5.65	1	07/01/2018 19:00	WG1132583
p-Isopropyltoluene	ND		5.65	1	07/01/2018 19:00	WG1132583
(S) Toluene-d8	*112*		*80.0-120*		*07/01/2018 19:00*	WG1132583
(S) Toluene-d8	*111*		*80.0-120*		*07/04/2018 15:10*	WG1133631
(S) Dibromofluoromethane	*82.5*		*74.0-131*		*07/01/2018 19:00*	WG1132583
(S) Dibromofluoromethane	*86.7*		*74.0-131*		*07/04/2018 15:10*	WG1133631
(S) a,a,a-Trifluorotoluene	*111*		*80.0-120*		*07/01/2018 19:00*	WG1132583
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*07/04/2018 15:10*	WG1133631
(S) 4-Bromofluorobenzene	*100*		*64.0-132*		*07/01/2018 19:00*	WG1132583
(S) 4-Bromofluorobenzene	*103*		*64.0-132*		*07/04/2018 15:10*	WG1133631

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1221	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1232	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1242	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1248	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1254	ND		19.2	1	07/06/2018 11:35	WG1133540
PCB 1260	ND		19.2	1	07/06/2018 11:35	WG1133540
(S) Decachlorobiphenyl	*63.2*		*10.0-148*		*07/06/2018 11:35*	WG1133540
(S) Tetrachloro-m-xylene	*55.1*		*21.0-146*		*07/06/2018 11:35*	WG1133540

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		37.3	1	07/05/2018 14:02	WG1133526
Acenaphthylene	ND		37.3	1	07/05/2018 14:02	WG1133526
Acenaphthene	ND		37.3	1	07/05/2018 14:02	WG1133526
Benzo(a)anthracene	ND		37.3	1	07/05/2018 14:02	WG1133526

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	ND		37.3	1	07/05/2018 14:02	WG1133526
Benzo(b)fluoranthene	ND		37.3	1	07/05/2018 14:02	WG1133526
Benzo(g,h,i)perylene	ND		37.3	1	07/05/2018 14:02	WG1133526
Benzo(k)fluoranthene	ND		37.3	1	07/05/2018 14:02	WG1133526
Chrysene	ND		37.3	1	07/05/2018 14:02	WG1133526
Dibenz(a,h)anthracene	ND		37.3	1	07/05/2018 14:02	WG1133526
Fluoranthene	ND		37.3	1	07/05/2018 14:02	WG1133526
Fluorene	ND		37.3	1	07/05/2018 14:02	WG1133526
Indeno(1,2,3-cd)pyrene	ND		37.3	1	07/05/2018 14:02	WG1133526
Naphthalene	ND		37.3	1	07/05/2018 14:02	WG1133526
Phenanthrene	ND		37.3	1	07/05/2018 14:02	WG1133526
Pyrene	ND		37.3	1	07/05/2018 14:02	WG1133526
(S) Nitrobenzene-d5	*80.1*		*31.0-146*		*07/05/2018 14:02*	WG1133526
(S) 2-Fluorobiphenyl	*79.4*		*31.0-130*		*07/05/2018 14:02*	WG1133526
(S) p-Terphenyl-d14	*74.4*		*20.0-127*		*07/05/2018 14:02*	WG1133526

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	07/06/2018 08:52	WG1134198

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		27.9	1	07/01/2018 19:18	WG1132583
Benzene	ND		1.12	1	07/01/2018 19:18	WG1132583
Bromochloromethane	ND		5.59	1	07/01/2018 19:18	WG1132583
Bromodichloromethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Bromoform	ND		27.9	1	07/01/2018 19:18	WG1132583
Bromomethane	ND		14.0	1	07/01/2018 19:18	WG1132583
Carbon disulfide	ND		14.0	1	07/01/2018 19:18	WG1132583
Carbon tetrachloride	ND		5.59	1	07/01/2018 19:18	WG1132583
Chlorobenzene	ND		2.79	1	07/01/2018 19:18	WG1132583
Chlorodibromomethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Chloroethane	ND		5.59	1	07/01/2018 19:18	WG1132583
Chloroform	ND		2.79	1	07/01/2018 19:18	WG1132583
Chloromethane	ND	J3 J4	14.0	1	07/01/2018 19:18	WG1132583
Cyclohexane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,2-Dibromo-3-Chloropropane	ND	J0	27.9	1	07/01/2018 19:18	WG1132583
1,2-Dibromoethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Dichlorodifluoromethane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,1-Dichloroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,2-Dichloroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,2-Dichlorobenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,3-Dichlorobenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,4-Dichlorobenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,1-Dichloroethene	ND		2.79	1	07/01/2018 19:18	WG1132583
cis-1,2-Dichloroethene	ND		2.79	1	07/01/2018 19:18	WG1132583
trans-1,2-Dichloroethene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,2-Dichloropropane	ND		5.59	1	07/01/2018 19:18	WG1132583
cis-1,3-Dichloropropene	ND		2.79	1	07/01/2018 19:18	WG1132583
trans-1,3-Dichloropropene	ND		5.59	1	07/01/2018 19:18	WG1132583
Ethylbenzene	ND		2.79	1	07/01/2018 19:18	WG1132583
2-Hexanone	ND		27.9	1	07/01/2018 19:18	WG1132583
Isopropylbenzene	ND		2.79	1	07/01/2018 19:18	WG1132583
2-Butanone (MEK)	ND		27.9	1	07/01/2018 19:18	WG1132583
Methyl Acetate	ND		5.59	1	07/01/2018 19:18	WG1132583
Methyl Cyclohexane	ND		5.59	1	07/01/2018 19:18	WG1132583
Methylene Chloride	ND		27.9	1	07/01/2018 19:18	WG1132583
4-Methyl-2-pentanone (MIBK)	ND		27.9	1	07/01/2018 19:18	WG1132583
Methyl tert-butyl ether	ND		1.12	1	07/01/2018 19:18	WG1132583
Naphthalene	ND	J0 J4	14.0	1	07/01/2018 19:18	WG1132583
Styrene	ND		14.0	1	07/01/2018 19:18	WG1132583
1,1,2,2-Tetrachloroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Tetrachloroethene	101	J0	2.79	1	07/01/2018 19:18	WG1132583
Toluene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,2,3-Trichlorobenzene	ND	J0 J3 J4	2.79	1	07/01/2018 19:18	WG1132583
1,2,4-Trichlorobenzene	ND		14.0	1	07/01/2018 19:18	WG1132583
1,1,1-Trichloroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,1,2-Trichloroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Trichloroethene	495		1.12	1	07/01/2018 19:18	WG1132583
Trichlorofluoromethane	ND		2.79	1	07/01/2018 19:18	WG1132583
1,1,2-Trichlorotrifluoroethane	ND		2.79	1	07/01/2018 19:18	WG1132583
Vinyl chloride	ND		2.79	1	07/01/2018 19:18	WG1132583

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.79	1	07/01/2018 19:18	WG1132583
m&p-Xylenes	ND		4.47	1	07/01/2018 19:18	WG1132583
n-Butylbenzene	ND		14.0	1	07/01/2018 19:18	WG1132583
sec-Butylbenzene	ND		14.0	1	07/01/2018 19:18	WG1132583
tert-Butylbenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,2,4-Trimethylbenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
1,3,5-Trimethylbenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
n-Propylbenzene	ND		5.59	1	07/01/2018 19:18	WG1132583
p-Isopropyltoluene	ND		5.59	1	07/01/2018 19:18	WG1132583
(S) Toluene-d8	*115*		*80.0-120*		*07/01/2018 19:18*	WG1132583
(S) Dibromofluoromethane	*81.0*		*74.0-131*		*07/01/2018 19:18*	WG1132583
(S) a,a,a-Trifluorotoluene	*108*		*80.0-120*		*07/01/2018 19:18*	WG1132583
(S) 4-Bromofluorobenzene	*99.4*		*64.0-132*		*07/01/2018 19:18*	WG1132583

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/06/2018 05:16	WG1134283
Benzene	ND		1.00	1	07/06/2018 05:16	WG1134283
Bromochloromethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Bromodichloromethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Bromoform	ND		1.00	1	07/06/2018 05:16	WG1134283
Bromomethane	ND		5.00	1	07/06/2018 05:16	WG1134283
Carbon disulfide	ND		1.00	1	07/06/2018 05:16	WG1134283
Carbon tetrachloride	ND		1.00	1	07/06/2018 05:16	WG1134283
Chlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
Chlorodibromomethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Chloroethane	ND		5.00	1	07/06/2018 05:16	WG1134283
Chloroform	ND		5.00	1	07/06/2018 05:16	WG1134283
Chloromethane	ND		2.50	1	07/06/2018 05:16	WG1134283
Cyclohexane	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/06/2018 05:16	WG1134283
1,2-Dibromoethane	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2-Dichlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,3-Dichlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,4-Dichlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
Dichlorodifluoromethane	ND	J3	5.00	1	07/06/2018 05:16	WG1134283
1,1-Dichloroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2-Dichloroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
1,1-Dichloroethene	ND		1.00	1	07/06/2018 05:16	WG1134283
cis-1,2-Dichloroethene	ND		1.00	1	07/06/2018 05:16	WG1134283
trans-1,2-Dichloroethene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2-Dichloropropane	ND		1.00	1	07/06/2018 05:16	WG1134283
cis-1,3-Dichloropropene	ND		1.00	1	07/06/2018 05:16	WG1134283
trans-1,3-Dichloropropene	ND		1.00	1	07/06/2018 05:16	WG1134283
Ethylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
2-Hexanone	ND		10.0	1	07/06/2018 05:16	WG1134283
Isopropylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
2-Butanone (MEK)	ND		10.0	1	07/06/2018 05:16	WG1134283
Methyl Acetate	ND		20.0	1	07/06/2018 05:16	WG1134283
Methyl Cyclohexane	ND		1.00	1	07/06/2018 05:16	WG1134283
Methylene Chloride	ND		5.00	1	07/06/2018 05:16	WG1134283
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/06/2018 05:16	WG1134283
Methyl tert-butyl ether	2.81		1.00	1	07/06/2018 05:16	WG1134283
Naphthalene	ND		5.00	1	07/06/2018 05:16	WG1134283
Styrene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Tetrachloroethene	ND		1.00	1	07/06/2018 05:16	WG1134283
Toluene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2,3-Trichlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2,4-Trichlorobenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,1,1-Trichloroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
1,1,2-Trichloroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Trichloroethene	ND		1.00	1	07/06/2018 05:16	WG1134283
Trichlorofluoromethane	ND		5.00	1	07/06/2018 05:16	WG1134283
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/06/2018 05:16	WG1134283
Vinyl chloride	ND		1.00	1	07/06/2018 05:16	WG1134283
o-Xylene	ND		1.00	1	07/06/2018 05:16	WG1134283
m&p-Xylenes	ND		2.00	1	07/06/2018 05:16	WG1134283
n-Butylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
sec-Butylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
tert-Butylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
1,2,4-Trimethylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
n-Propylbenzene	ND		1.00	1	07/06/2018 05:16	WG1134283
p-Isopropyltoluene	ND		1.00	1	07/06/2018 05:16	WG1134283
(S) Toluene-d8	*102*		*80.0-120*		*07/06/2018 05:16*	WG1134283
(S) Dibromofluoromethane	*92.8*		*76.0-123*		*07/06/2018 05:16*	WG1134283
(S) a,a,a-Trifluorotoluene	*106*		*80.0-120*		*07/06/2018 05:16*	WG1134283
(S) 4-Bromofluorobenzene	*95.2*		*80.0-120*		*07/06/2018 05:16*	WG1134283

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/08/2018 14:05	WG1135068
Benzene	ND		1.00	1	07/08/2018 14:05	WG1135068
Bromochloromethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Bromodichloromethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Bromoform	ND		1.00	1	07/08/2018 14:05	WG1135068
Bromomethane	ND	J3	5.00	1	07/08/2018 14:05	WG1135068
Carbon disulfide	ND		1.00	1	07/08/2018 14:05	WG1135068
Carbon tetrachloride	ND		1.00	1	07/08/2018 14:05	WG1135068
Chlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
Chlorodibromomethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Chloroethane	ND		5.00	1	07/08/2018 14:05	WG1135068
Chloroform	5.95		5.00	1	07/08/2018 14:05	WG1135068
Chloromethane	ND		2.50	1	07/08/2018 14:05	WG1135068
Cyclohexane	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/08/2018 14:05	WG1135068
1,2-Dibromoethane	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2-Dichlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,3-Dichlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,4-Dichlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
Dichlorodifluoromethane	ND		5.00	1	07/08/2018 14:05	WG1135068
1,1-Dichloroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2-Dichloroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
1,1-Dichloroethene	ND		1.00	1	07/08/2018 14:05	WG1135068
cis-1,2-Dichloroethene	ND		1.00	1	07/08/2018 14:05	WG1135068
trans-1,2-Dichloroethene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2-Dichloropropane	ND		1.00	1	07/08/2018 14:05	WG1135068
cis-1,3-Dichloropropene	ND		1.00	1	07/08/2018 14:05	WG1135068
trans-1,3-Dichloropropene	ND		1.00	1	07/08/2018 14:05	WG1135068
Ethylbenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
2-Hexanone	ND		10.0	1	07/08/2018 14:05	WG1135068
Isopropylbenzene	1.47		1.00	1	07/08/2018 14:05	WG1135068
2-Butanone (MEK)	ND		10.0	1	07/08/2018 14:05	WG1135068
Methyl Acetate	ND		20.0	1	07/08/2018 14:05	WG1135068
Methyl Cyclohexane	ND		1.00	1	07/08/2018 14:05	WG1135068
Methylene Chloride	ND		5.00	1	07/08/2018 14:05	WG1135068
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/08/2018 14:05	WG1135068
Methyl tert-butyl ether	ND		1.00	1	07/08/2018 14:05	WG1135068
Naphthalene	ND		5.00	1	07/08/2018 14:05	WG1135068
Styrene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Tetrachloroethene	ND		1.00	1	07/08/2018 14:05	WG1135068
Toluene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2,3-Trichlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,2,4-Trichlorobenzene	ND		1.00	1	07/08/2018 14:05	WG1135068
1,1,1-Trichloroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
1,1,2-Trichloroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Trichloroethene	ND		1.00	1	07/08/2018 14:05	WG1135068
Trichlorofluoromethane	ND		5.00	1	07/08/2018 14:05	WG1135068
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/08/2018 14:05	WG1135068
Vinyl chloride	ND		1.00	1	07/08/2018 14:05	WG1135068
o-Xylene	ND		1.00	1	07/08/2018 14:05	WG1135068
m&p-Xylenes	ND		2.00	1	07/08/2018 14:05	WG1135068
n-Butylbenzene	4.85		1.00	1	07/08/2018 14:05	WG1135068
sec-Butylbenzene	7.65		1.00	1	07/08/2018 14:05	WG1135068
tert-Butylbenzene	1.14		1.00	1	07/08/2018 14:05	WG1135068
1,2,4-Trimethylbenzene	67.8		1.00	1	07/08/2018 14:05	WG1135068

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	37.4		1.00	1	07/08/2018 14:05	WG1135068
n-Propylbenzene	3.51		1.00	1	07/08/2018 14:05	WG1135068
p-Isopropyltoluene	14.9		1.00	1	07/08/2018 14:05	WG1135068
(S) Toluene-d8	*108*		*80.0-120*		*07/08/2018 14:05*	WG1135068
(S) Dibromofluoromethane	*97.5*		*76.0-123*		*07/08/2018 14:05*	WG1135068
(S) a,a,a-Trifluorotoluene	*96.8*		*80.0-120*		*07/08/2018 14:05*	WG1135068
(S) 4-Bromofluorobenzene	*96.2*		*80.0-120*		*07/08/2018 14:05*	WG1135068

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	07/06/2018 05:56	WG1134283
Benzene	ND		1.00	1	07/06/2018 05:56	WG1134283
Bromochloromethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Bromodichloromethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Bromoform	ND		1.00	1	07/06/2018 05:56	WG1134283
Bromomethane	ND		5.00	1	07/06/2018 05:56	WG1134283
Carbon disulfide	ND		1.00	1	07/06/2018 05:56	WG1134283
Carbon tetrachloride	ND		1.00	1	07/06/2018 05:56	WG1134283
Chlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
Chlorodibromomethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Chloroethane	ND		5.00	1	07/06/2018 05:56	WG1134283
Chloroform	ND		5.00	1	07/06/2018 05:56	WG1134283
Chloromethane	ND		2.50	1	07/06/2018 05:56	WG1134283
Cyclohexane	ND		1.00	1	07/06/2018 05:56	WG1134283
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/06/2018 05:56	WG1134283
1,2-Dibromoethane	ND		1.00	1	07/06/2018 05:56	WG1134283
1,2-Dichlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,3-Dichlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,4-Dichlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
Dichlorodifluoromethane	ND	J3	5.00	1	07/06/2018 05:56	WG1134283
1,1-Dichloroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
1,2-Dichloroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
1,1-Dichloroethene	9.83		1.00	1	07/06/2018 05:56	WG1134283
cis-1,2-Dichloroethene	99.8		1.00	1	07/06/2018 05:56	WG1134283
trans-1,2-Dichloroethene	17.1		1.00	1	07/06/2018 05:56	WG1134283
1,2-Dichloropropane	ND		1.00	1	07/06/2018 05:56	WG1134283
cis-1,3-Dichloropropene	ND		1.00	1	07/06/2018 05:56	WG1134283
trans-1,3-Dichloropropene	ND		1.00	1	07/06/2018 05:56	WG1134283
Ethylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
2-Hexanone	ND		10.0	1	07/06/2018 05:56	WG1134283
Isopropylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
2-Butanone (MEK)	ND		10.0	1	07/06/2018 05:56	WG1134283
Methyl Acetate	ND		20.0	1	07/06/2018 05:56	WG1134283
Methyl Cyclohexane	ND		1.00	1	07/06/2018 05:56	WG1134283
Methylene Chloride	ND		5.00	1	07/06/2018 05:56	WG1134283
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/06/2018 05:56	WG1134283
Methyl tert-butyl ether	ND		1.00	1	07/06/2018 05:56	WG1134283
Naphthalene	ND		5.00	1	07/06/2018 05:56	WG1134283
Styrene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Tetrachloroethene	247	E	1.00	1	07/06/2018 05:56	WG1134283
Toluene	1.23		1.00	1	07/06/2018 05:56	WG1134283
1,2,3-Trichlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,2,4-Trichlorobenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,1,1-Trichloroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
1,1,2-Trichloroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Trichloroethene	28600		5000	5000	07/08/2018 14:25	WG1135068
Trichlorofluoromethane	ND		5.00	1	07/06/2018 05:56	WG1134283
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/06/2018 05:56	WG1134283
Vinyl chloride	1.49		1.00	1	07/06/2018 05:56	WG1134283
o-Xylene	ND		1.00	1	07/06/2018 05:56	WG1134283
m&p-Xylenes	ND		2.00	1	07/06/2018 05:56	WG1134283
n-Butylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
sec-Butylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
tert-Butylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
1,2,4-Trimethylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
n-Propylbenzene	ND		1.00	1	07/06/2018 05:56	WG1134283
p-Isopropyltoluene	ND		1.00	1	07/06/2018 05:56	WG1134283
(S) Toluene-d8	*105*		*80.0-120*		*07/06/2018 05:56*	WG1134283
(S) Toluene-d8	*106*		*80.0-120*		*07/08/2018 14:25*	WG1135068
(S) Dibromofluoromethane	*88.0*		*76.0-123*		*07/06/2018 05:56*	WG1134283
(S) Dibromofluoromethane	*98.3*		*76.0-123*		*07/08/2018 14:25*	WG1135068
(S) a,a,a-Trifluorotoluene	*657*	J1	*80.0-120*		*07/06/2018 05:56*	WG1134283
(S) a,a,a-Trifluorotoluene	*97.5*		*80.0-120*		*07/08/2018 14:25*	WG1135068
(S) 4-Bromofluorobenzene	*92.7*		*80.0-120*		*07/06/2018 05:56*	WG1134283
(S) 4-Bromofluorobenzene	*95.1*		*80.0-120*		*07/08/2018 14:25*	WG1135068

Sample Narrative:

L1005871-07 WG1134283: PCE reported with E flag was diluted out in re-run for TCE.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/06/2018 06:16	WG1134283
Benzene	ND		1.00	1	07/06/2018 06:16	WG1134283
Bromochloromethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Bromodichloromethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Bromoform	ND		1.00	1	07/06/2018 06:16	WG1134283
Bromomethane	ND		5.00	1	07/06/2018 06:16	WG1134283
Carbon disulfide	ND		1.00	1	07/06/2018 06:16	WG1134283
Carbon tetrachloride	ND		1.00	1	07/06/2018 06:16	WG1134283
Chlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
Chlorodibromomethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Chloroethane	ND		5.00	1	07/06/2018 06:16	WG1134283
Chloroform	20.6		5.00	1	07/06/2018 06:16	WG1134283
Chloromethane	ND		2.50	1	07/06/2018 06:16	WG1134283
Cyclohexane	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/06/2018 06:16	WG1134283
1,2-Dibromoethane	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2-Dichlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,3-Dichlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,4-Dichlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
Dichlorodifluoromethane	ND	J3	5.00	1	07/06/2018 06:16	WG1134283
1,1-Dichloroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2-Dichloroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
1,1-Dichloroethene	ND		1.00	1	07/06/2018 06:16	WG1134283
cis-1,2-Dichloroethene	ND		1.00	1	07/06/2018 06:16	WG1134283
trans-1,2-Dichloroethene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2-Dichloropropane	ND		1.00	1	07/06/2018 06:16	WG1134283
cis-1,3-Dichloropropene	ND		1.00	1	07/06/2018 06:16	WG1134283
trans-1,3-Dichloropropene	ND		1.00	1	07/06/2018 06:16	WG1134283
Ethylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
2-Hexanone	ND		10.0	1	07/06/2018 06:16	WG1134283
Isopropylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
2-Butanone (MEK)	ND		10.0	1	07/06/2018 06:16	WG1134283
Methyl Acetate	ND		20.0	1	07/06/2018 06:16	WG1134283
Methyl Cyclohexane	ND		1.00	1	07/06/2018 06:16	WG1134283
Methylene Chloride	ND		5.00	1	07/06/2018 06:16	WG1134283
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/06/2018 06:16	WG1134283
Methyl tert-butyl ether	ND		1.00	1	07/06/2018 06:16	WG1134283
Naphthalene	ND		5.00	1	07/06/2018 06:16	WG1134283
Styrene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Tetrachloroethene	ND		1.00	1	07/06/2018 06:16	WG1134283
Toluene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2,3-Trichlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2,4-Trichlorobenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,1,1-Trichloroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
1,1,2-Trichloroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Trichloroethene	ND		1.00	1	07/08/2018 14:45	WG1135068
Trichlorofluoromethane	ND		5.00	1	07/06/2018 06:16	WG1134283
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/06/2018 06:16	WG1134283
Vinyl chloride	ND		1.00	1	07/06/2018 06:16	WG1134283
o-Xylene	ND		1.00	1	07/06/2018 06:16	WG1134283
m&p-Xylenes	ND		2.00	1	07/06/2018 06:16	WG1134283
n-Butylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
sec-Butylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
tert-Butylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
1,2,4-Trimethylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
n-Propylbenzene	ND		1.00	1	07/06/2018 06:16	WG1134283
p-Isopropyltoluene	ND		1.00	1	07/06/2018 06:16	WG1134283
(S) Toluene-d8	*110*		*80.0-120*		*07/06/2018 06:16*	WG1134283
(S) Toluene-d8	*106*		*80.0-120*		*07/08/2018 14:45*	WG1135068
(S) Dibromofluoromethane	*98.2*		*76.0-123*		*07/06/2018 06:16*	WG1134283
(S) Dibromofluoromethane	*97.6*		*76.0-123*		*07/08/2018 14:45*	WG1135068
(S) a,a,a-Trifluorotoluene	*108*		*80.0-120*		*07/06/2018 06:16*	WG1134283
(S) a,a,a-Trifluorotoluene	*96.6*		*80.0-120*		*07/08/2018 14:45*	WG1135068
(S) 4-Bromofluorobenzene	*95.9*		*80.0-120*		*07/06/2018 06:16*	WG1134283
(S) 4-Bromofluorobenzene	*94.6*		*80.0-120*		*07/08/2018 14:45*	WG1135068

Method Blank (MB)

(MB) R3323529-1 07/05/18 15:52

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

L1005847-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1005847-02 07/05/18 15:52 • (DUP) R3323529-3 07/05/18 15:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.1	92.5	1	0.456		5

Laboratory Control Sample (LCS)

(LCS) R3323529-2 07/05/18 15:52

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) R3323748-1 07/06/18 08:52

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

L1005872-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1005872-04 07/06/18 08:52 • (DUP) R3323748-3 07/06/18 08:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.6	92.1	1	0.612		5

Laboratory Control Sample (LCS)

(LCS) R3323748-2 07/06/18 08:52

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) R3322963-1 07/04/18 00:46

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Mercury	U		2.80	20.0

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

(LCS) R3322963-2 07/04/18 00:48 • (LCSD) R3322963-3 07/04/18 00:51

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 %
Mercury	300	286	257	95.4	85.5	80.0-120			10.9	20

L1006412-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1006412-01 07/04/18 00:53 • (MS) R3322963-4 07/04/18 00:56 • (MSD) R3322963-5 07/04/18 00:58

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 %
Mercury	357	38.8	402	381	102	96.0	1	75.0-125			5.19	20

Method Blank (MB)

(MB) R3323571-1 07/06/18 08:26

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Arsenic	U		650	2000
Barium	U		170	500
Cadmium	U		70.0	500
Chromium	U		140	1000
Lead	U		190	500
Selenium	U		740	2000
Silver	U		280	1000

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

(LCS) R3323571-2 07/06/18 08:29 • (LCSD) R3323571-3 07/06/18 08:32

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 %
Arsenic	100000	94900	97400	94.9	97.4	80.0-120			2.62	20
Barium	100000	102000	103000	102	103	80.0-120			1.63	20
Cadmium	100000	95900	97500	95.9	97.5	80.0-120			1.63	20
Chromium	100000	95400	96700	95.4	96.7	80.0-120			1.37	20
Lead	100000	94400	95700	94.4	95.7	80.0-120			1.32	20
Selenium	100000	94100	96500	94.1	96.5	80.0-120			2.47	20
Silver	20000	18300	18500	91.3	92.6	80.0-120			1.41	20

L1005848-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1005848-02 07/06/18 08:35 • (MS) R3323571-6 07/06/18 08:45 • (MSD) R3323571-7 07/06/18 08:48

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 %
Arsenic	100000	5370	99600	92900	94.2	87.5	1	75.0-125			6.93	20
Barium	100000	125000	220000	201000	95.1	76.0	1	75.0-125			9.05	20
Cadmium	100000	546	96100	90000	95.5	89.4	1	75.0-125			6.55	20
Chromium	100000	15400	108000	100000	92.5	84.6	1	75.0-125			7.58	20
Lead	100000	16400	116000	110000	100	93.3	1	75.0-125			6.03	20
Selenium	100000	ND	90900	85700	90.9	85.7	1	75.0-125			5.95	20
Silver	20000	ND	18200	16900	90.9	84.4	1	75.0-125			7.42	20

Method Blank (MB)

(MB) R3322919-3 07/01/18 13:34

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		13.7	25.0
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)	19.7	J	12.5	25.0
Methyl Acetate	U		2.10	5.00
Methyl Cyclohexane	U		1.03	5.00
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0

Method Blank (MB)

(MB) R3322919-3 07/01/18 13:34

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methyl tert-butyl ether	U		0.295	1.00
Naphthalene	U		3.12	12.5
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	*117*			*80.0-120*
(S) Dibromofluoromethane	*81.4*			*74.0-131*
(S) a,a,a-Trifluorotoluene	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*

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

(LCS) R3322919-1 07/01/18 11:41 • (LCSD) R3322919-2 07/01/18 12:00

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	610	500	97.5	79.9	25.3-178			19.8	22.9
Benzene	125	115	109	92.0	87.5	72.6-120			4.97	20
Bromodichloromethane	125	120	116	95.6	92.7	75.3-119			3.07	20
Bromochloromethane	125	123	115	98.4	92.4	79.7-123			6.29	20
Bromoform	125	111	118	88.5	94.1	69.1-135			6.20	20
Bromomethane	125	116	111	92.6	89.0	23.0-191			4.00	20
n-Butylbenzene	125	120	122	96.0	97.7	74.2-134			1.73	20
sec-Butylbenzene	125	121	122	96.9	97.5	77.8-129			0.612	20
tert-Butylbenzene	125	116	118	92.8	94.3	77.2-129			1.68	20
Carbon disulfide	125	130	125	104	99.8	49.9-136			4.25	20

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

(LCS) R3322919-1 07/01/18 11:41 • (LCSD) R3322919-2 07/01/18 12:00

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 %
Carbon tetrachloride	125	129	125	103	100	69.4-129			3.02	20
Chlorobenzene	125	132	130	106	104	78.9-122			1.79	20
Chlorodibromomethane	125	126	126	101	101	76.4-126			0.0437	20
Chloroethane	125	129	124	103	99.4	47.2-147			3.84	20
Chloroform	125	115	108	91.8	86.3	73.3-122			6.23	20
Chloromethane	125	130	183	104	146	53.1-135		J3 J4	33.7	20
1,2-Dibromo-3-Chloropropane	125	85.9	85.9	68.7	68.7	64.9-131			0.00351	20
1,2-Dibromoethane	125	125	119	100	94.9	78.7-123			5.42	20
1,2-Dichlorobenzene	125	117	113	93.8	90.2	83.6-119			3.93	20
1,3-Dichlorobenzene	125	126	122	101	97.4	75.9-129			3.13	20
1,4-Dichlorobenzene	125	120	120	95.7	95.7	81.0-115			0.0334	20
Dichlorodifluoromethane	125	139	131	111	104	50.9-139			6.29	20
1,1-Dichloroethane	125	127	115	101	92.3	71.7-125			9.27	20
1,2-Dichloroethane	125	121	112	97.2	89.4	67.2-121			8.38	20
1,1-Dichloroethene	125	143	138	115	111	60.6-133			3.71	20
cis-1,2-Dichloroethene	125	126	118	101	94.7	76.1-121			6.39	20
trans-1,2-Dichloroethene	125	128	120	103	95.8	70.7-124			7.01	20
1,2-Dichloropropane	125	127	122	101	97.3	76.9-123			4.10	20
cis-1,3-Dichloropropene	125	125	116	99.7	92.9	77.3-123			7.12	20
trans-1,3-Dichloropropene	125	130	126	104	101	73.0-127			3.08	20
Ethylbenzene	125	128	127	102	102	78.6-124			0.444	20
2-Hexanone	625	622	596	99.4	95.3	62.7-150			4.24	20
Isopropylbenzene	125	117	116	93.9	93.0	79.4-126			0.921	20
p-Isopropyltoluene	125	123	121	98.6	97.0	75.4-132			1.66	20
2-Butanone (MEK)	625	633	577	101	92.4	44.5-154			9.23	21.3
Methylene Chloride	125	121	115	97.1	91.9	68.2-119			5.49	20
4-Methyl-2-pentanone (MIBK)	625	659	619	106	99.1	61.1-138			6.28	20
Methyl tert-butyl ether	125	113	103	90.4	82.4	70.2-122			9.24	20
Naphthalene	125	76.1	80.8	60.9	64.6	69.9-132	J4	J4	5.98	20
n-Propylbenzene	125	120	119	95.8	95.1	80.2-124			0.721	20
Styrene	125	110	107	87.6	85.3	79.4-124			2.68	20
1,1,2,2-Tetrachloroethane	125	105	103	84.0	82.6	78.8-124			1.64	20
Tetrachloroethene	125	154	149	123	120	71.1-133			2.77	20
Toluene	125	128	127	103	102	76.7-116			0.712	20
1,1,2-Trichlorotrifluoroethane	125	144	140	115	112	62.6-138			3.26	20
1,2,3-Trichlorobenzene	125	85.2	106	68.2	84.5	72.5-137	J4	J3	21.4	20
1,2,4-Trichlorobenzene	125	114	122	90.9	97.4	74.0-137			6.81	20
1,1,1-Trichloroethane	125	124	123	99.5	98.2	69.9-127			1.31	20
1,1,2-Trichloroethane	125	123	118	98.6	94.1	81.9-119			4.66	20
Trichloroethene	125	134	129	107	103	77.2-122			3.64	20

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

(LCS) R3322919-1 07/01/18 11:41 • (LCSD) R3322919-2 07/01/18 12:00

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 %
Trichlorofluoromethane	125	141	134	113	107	51.5-151			5.54	20
1,2,4-Trimethylbenzene	125	117	119	93.7	95.0	77.1-124			1.35	20
1,3,5-Trimethylbenzene	125	121	119	97.2	95.5	79.0-125			1.72	20
Vinyl chloride	125	123	116	98.8	93.0	58.4-134			5.99	20
o-Xylene	125	131	128	105	103	78.5-124			2.30	20
m&p-Xylenes	250	268	266	107	106	77.3-124			0.739	20
(S) Toluene-d8				*108*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*94.8*	*90.8*	*74.0-131*				
(S) a,a,a-Trifluorotoluene				*110*	*112*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.8*	*96.9*	*64.0-132*				

L1005797-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1005797-04 07/01/18 21:28 • (MS) R3322919-4 07/01/18 22:06 • (MSD) R3322919-5 07/01/18 22:24

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 %
Acetone	752	4080	19900	23100	105	126	20	10.0-130			14.9	31.5
Benzene	150	483	2040	1860	51.6	45.9	20	47.8-131		J6	8.75	22.8
Bromodichloromethane	150	163	1860	1400	56.3	41.2	20	50.6-128		J3 J6	27.9	22.8
Bromochloromethane	150	ND	1510	1390	50.3	46.3	20	62.9-126	J6	J6	8.19	20
Bromoform	150	ND	2400	2490	79.7	82.8	20	43.3-139			3.89	25.9
Bromomethane	150	ND	723	543	24.0	18.0	20	5.00-189		J3	28.5	26.7
n-Butylbenzene	150	676	2600	2070	64.1	46.3	20	23.6-146			22.8	39.2
sec-Butylbenzene	150	ND	2190	1600	63.3	43.9	20	31.0-142			30.9	34.7
Carbon disulfide	150	ND	200	142	6.65	4.72	20	21.2-135	J6	J3 J6	33.9	23.8
tert-Butylbenzene	150	ND	1770	1200	58.8	39.9	20	36.9-142		J3	38.4	31.7
Carbon tetrachloride	150	ND	1040	816	34.5	27.1	20	46.0-140	J6	J6	24.1	27.2
Chlorobenzene	150	ND	1790	1420	59.5	47.3	20	44.1-134			23.0	25.7
Chlorodibromomethane	150	ND	2270	2060	75.5	68.4	20	49.7-134			9.83	24
Chloroethane	150	ND	796	463	26.4	15.4	20	5.00-164		J3	52.8	28.4
Chloroform	150	186	1540	1250	44.9	35.2	20	51.2-133	J6	J6	20.9	22.8
Chloromethane	150	ND	657	576	20.3	17.6	20	31.4-141	J6	J6	13.1	24.6
1,2-Dibromo-3-Chloropropane	150	ND	2070	2370	68.6	78.8	20	40.4-138			13.8	30.8
1,2-Dibromoethane	150	ND	2040	2140	67.7	71.0	20	50.2-133			4.76	23.6
1,2-Dichlorobenzene	150	ND	2040	1780	67.9	59.2	20	34.6-139			13.7	29.9
1,3-Dichlorobenzene	150	ND	2050	1660	68.1	55.1	20	28.4-142			21.1	31.2
1,4-Dichlorobenzene	150	ND	2010	1720	66.9	57.2	20	35.0-133			15.5	31.1
Dichlorodifluoromethane	150	ND	930	559	30.9	18.6	20	31.2-144	J6	J3 J6	49.8	30.2
1,1-Dichloroethane	150	ND	1540	1070	51.2	35.4	20	49.1-136		J3 J6	36.5	22.9

L1005797-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1005797-04 07/01/18 21:28 • (MS) R3322919-4 07/01/18 22:06 • (MSD) R3322919-5 07/01/18 22:24

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 %
1,2-Dichloroethane	150	ND	1720	1560	57.1	52.0	20	47.1-129			9.39	22.7
1,1-Dichloroethene	150	ND	898	598	29.8	19.9	20	36.1-142	J6	J3 J6	40.0	25.6
cis-1,2-Dichloroethene	150	ND	1330	1110	44.3	37.0	20	50.6-133	J6	J6	17.9	23
trans-1,2-Dichloroethene	150	ND	785	546	26.1	18.1	20	43.8-135	J6	J3 J6	35.8	24.8
1,2-Dichloropropane	150	ND	1980	1640	65.8	54.6	20	50.3-134			18.6	22.7
cis-1,3-Dichloropropene	150	ND	1740	1430	56.8	46.7	20	48.4-134		J6	19.1	23.6
trans-1,3-Dichloropropene	150	217	2030	1890	60.4	55.7	20	46.6-135			7.15	25.3
Ethylbenzene	150	5810	9340	9420	117	120	20	44.8-135			0.873	26.9
2-Hexanone	752	ND	13200	16100	86.3	105	20	44.3-157			19.4	23.7
Isopropylbenzene	150	614	2540	2060	63.9	48.1	20	41.9-139			20.7	29.3
2-Butanone (MEK)	752	1460	15600	18500	94.0	113	20	23.9-170			17.0	28.3
p-Isopropyltoluene	150	ND	2360	1770	75.6	56.2	20	27.3-146			28.2	35.1
Methylene Chloride	150	ND	1260	1040	41.9	34.6	20	46.7-125	J6	J6	19.0	22.2
4-Methyl-2-pentanone (MIBK)	752	ND	14400	17200	95.9	115	20	42.4-146			17.8	26.7
Methyl tert-butyl ether	150	ND	2070	2150	68.8	71.5	20	50.4-131			3.84	24.8
Naphthalene	150	809	2510	3210	56.6	79.9	20	18.4-145			24.6	34
n-Propylbenzene	150	2600	5620	5290	100	89.5	20	35.2-139			6.01	31.9
Styrene	150	ND	1710	1370	56.7	45.4	20	39.7-137			22.2	28.2
1,1,2,2-Tetrachloroethane	150	ND	2230	2320	72.9	75.9	20	45.7-140			4.04	26.4
Tetrachloroethene	150	ND	1360	811	45.0	26.9	20	37.7-140		J3 J6	50.3	29.2
Toluene	150	ND	1340	1000	41.6	30.3	20	47.8-127	J6	J3 J6	29.2	24.3
1,1,2-Trichlorotrifluoroethane	150	ND	1230	794	40.8	26.4	20	35.7-146		J3 J6	43.0	28.8
1,2,3-Trichlorobenzene	150	ND	1570	1900	52.2	63.3	20	10.0-150			19.1	38.5
1,2,4-Trichlorobenzene	150	ND	1980	2110	65.9	70.0	20	10.0-153			6.00	39.3
1,1,1-Trichloroethane	150	ND	1340	929	44.0	30.5	20	49.0-138	J6	J3 J6	35.9	25.3
1,1,2-Trichloroethane	150	382	2200	2210	60.5	60.7	20	52.3-132			0.190	23.4
Trichloroethene	150	ND	1410	1100	46.7	36.5	20	48.0-132	J6	J6	24.6	24.8
Trichlorofluoromethane	150	ND	979	651	32.5	21.6	20	12.8-169		J3	40.2	29.7
1,2,4-Trimethylbenzene	150	11700	16500	17100	162	179	20	32.9-139	J5	J5	3.13	30.6
1,3,5-Trimethylbenzene	150	3330	5800	5460	82.1	70.6	20	37.1-138			6.17	30.6
Vinyl chloride	150	ND	592	391	19.7	13.0	20	32.0-146	J6	J3 J6	40.7	26.3
o-Xylene	150	700	2440	2040	57.7	44.4	20	43.2-136			17.9	26.2
m&p-Xylenes	301	17300	23500	23100	104	96.8	20	42.2-134			1.98	27.1
(S) Toluene-d8					*108*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*96.8*	*93.9*		*74.0-131*				
(S) a,a,a-Trifluorotoluene					*113*	*113*		*80.0-120*				
(S) 4-Bromofluorobenzene					*99.2*	*96.0*		*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3323291-2 07/04/18 12:41

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Tetrachloroethene	U		0.700	2.50
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*86.2*			*74.0-131*
(S) a,a,a-Trifluorotoluene	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3323291-1 07/04/18 11:45

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Tetrachloroethene	125	104	83.3	71.1-133	
(S) Toluene-d8			*108*	*80.0-120*	
(S) Dibromofluoromethane			*91.0*	*74.0-131*	
(S) a,a,a-Trifluorotoluene			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*64.0-132*	

Method Blank (MB)

(MB) R3323834-3 07/06/18 02:14

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) R3323834-3 07/06/18 02:14

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	*104*			*80.0-120*
(S) Dibromofluoromethane	*95.6*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.1*			*80.0-120*

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

(LCS) R3323834-1 07/06/18 00:34 • (LCSD) R3323834-2 07/06/18 01:14

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 %
Acetone	125	156	150	125	120	10.0-160			3.76	23
Benzene	25.0	22.6	22.5	90.5	89.9	69.0-123			0.730	20
Bromodichloromethane	25.0	22.7	22.6	90.9	90.3	76.0-120			0.669	20
Bromochloromethane	25.0	23.9	23.0	95.6	92.1	76.0-122			3.69	20
Bromoform	25.0	25.8	25.6	103	102	67.0-132			0.921	20
Bromomethane	25.0	27.4	25.3	110	101	18.0-160			7.94	20
n-Butylbenzene	25.0	23.6	22.5	94.6	89.9	72.0-126			5.00	20
sec-Butylbenzene	25.0	26.1	25.0	104	100	74.0-121			4.07	20
tert-Butylbenzene	25.0	27.1	26.6	108	106	75.0-122			1.82	20
Carbon disulfide	25.0	23.2	21.4	92.9	85.5	55.0-127			8.37	20

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

(LCS) R3323834-1 07/06/18 00:34 • (LCSD) R3323834-2 07/06/18 01:14

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 %
Carbon tetrachloride	25.0	23.2	22.8	92.7	91.1	63.0-122			1.69	20
Chlorobenzene	25.0	28.2	26.2	113	105	79.0-121			7.25	20
Chlorodibromomethane	25.0	25.7	24.5	103	98.2	75.0-125			4.73	20
Chloroethane	25.0	24.6	23.9	98.5	95.6	47.0-152			2.93	20
Chloroform	25.0	23.5	23.0	94.1	92.0	72.0-121			2.28	20
Chloromethane	25.0	21.9	19.9	87.6	79.5	48.0-139			9.64	20
Cyclohexane	25.0	24.8	23.1	99.2	92.4	70.0-130			7.07	20
1,2-Dibromo-3-Chloropropane	25.0	23.8	24.1	95.4	96.5	64.0-127			1.13	20
1,2-Dibromoethane	25.0	26.6	25.2	107	101	77.0-123			5.54	20
1,2-Dichlorobenzene	25.0	24.4	24.6	97.7	98.5	80.0-120			0.869	20
1,3-Dichlorobenzene	25.0	25.0	26.1	99.8	104	72.0-123			4.34	20
1,4-Dichlorobenzene	25.0	25.5	25.0	102	99.9	77.0-120			2.01	20
Dichlorodifluoromethane	25.0	27.6	20.1	110	80.3	49.0-155		J3	31.6	20
1,1-Dichloroethane	25.0	21.7	21.4	87.0	85.7	70.0-126			1.49	20
1,2-Dichloroethane	25.0	22.3	21.5	89.2	86.0	67.0-126			3.71	20
1,1-Dichloroethene	25.0	23.2	22.1	92.8	88.5	64.0-129			4.78	20
cis-1,2-Dichloroethene	25.0	23.3	21.7	93.2	86.6	73.0-120			7.32	20
trans-1,2-Dichloroethene	25.0	23.0	22.2	92.1	89.0	71.0-121			3.48	20
1,2-Dichloropropane	25.0	23.6	22.6	94.6	90.6	75.0-125			4.36	20
cis-1,3-Dichloropropene	25.0	25.5	23.8	102	95.3	79.0-123			6.74	20
trans-1,3-Dichloropropene	25.0	26.1	24.4	104	97.6	74.0-127			6.57	20
Ethylbenzene	25.0	28.6	25.7	114	103	77.0-120			10.9	20
2-Hexanone	125	139	135	111	108	58.0-147			2.99	20
Isopropylbenzene	25.0	25.3	24.6	101	98.3	75.0-120			3.11	20
p-Isopropyltoluene	25.0	24.8	25.4	99.1	102	74.0-126			2.47	20
2-Butanone (MEK)	125	124	114	98.8	91.2	37.0-158			7.98	20
Methyl Acetate	125	131	119	105	95.0	70.0-130			9.80	20
Methyl Cyclohexane	25.0	26.1	25.0	104	100	70.0-130			4.17	20
Methylene Chloride	25.0	22.6	22.6	90.5	90.5	66.0-121			0.0367	20
4-Methyl-2-pentanone (MIBK)	125	132	125	105	99.7	59.0-143			5.49	20
Methyl tert-butyl ether	25.0	22.5	22.6	90.1	90.5	64.0-123			0.456	20
Naphthalene	25.0	21.3	22.2	85.3	88.8	62.0-128			3.91	20
n-Propylbenzene	25.0	25.8	25.5	103	102	79.0-120			1.08	20
Styrene	25.0	25.5	25.6	102	102	78.0-124			0.278	20
1,1,2,2-Tetrachloroethane	25.0	24.0	22.9	96.1	91.6	71.0-122			4.78	20
Tetrachloroethene	25.0	29.9	27.9	120	112	70.0-127			7.02	20
Toluene	25.0	25.1	24.6	101	98.3	77.0-120			2.26	20
1,1,2-Trichlorotrifluoroethane	25.0	27.7	25.2	111	101	61.0-136			9.38	20
1,2,3-Trichlorobenzene	25.0	21.0	21.0	83.8	84.2	61.0-133			0.374	20
1,2,4-Trichlorobenzene	25.0	21.3	21.0	85.4	84.0	69.0-129			1.64	20

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

(LCS) R3323834-1 07/06/18 00:34 • (LCSD) R3323834-2 07/06/18 01:14

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 %
1,1,1-Trichloroethane	25.0	23.0	22.0	92.1	87.9	68.0-122			4.67	20
1,1,2-Trichloroethane	25.0	25.0	23.6	100	94.4	78.0-120			5.94	20
Trichloroethene	25.0	24.8	26.3	99.1	105	78.0-120			5.82	20
Trichlorofluoromethane	25.0	26.6	26.2	106	105	56.0-137			1.52	20
1,2,4-Trimethylbenzene	25.0	24.4	23.2	97.7	93.0	75.0-120			4.92	20
1,3,5-Trimethylbenzene	25.0	24.7	25.7	98.9	103	75.0-120			4.03	20
Vinyl chloride	25.0	24.7	22.0	98.9	87.9	64.0-133			11.9	20
o-Xylene	25.0	26.5	25.4	106	102	78.0-120			4.13	20
m&p-Xylenes	50.0	58.4	52.4	117	105	77.0-120			10.9	20
(S) Toluene-d8				*109*	*105*	*80.0-120*				
(S) Dibromofluoromethane				*93.0*	*92.1*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*104*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.6*	*95.5*	*80.0-120*				

Method Blank (MB)

(MB) R3323970-5 07/08/18 12:45

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) R3323970-5 07/08/18 12:45

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	*106*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*97.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.4*			*80.0-120*

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

(LCS) R3323970-1 07/08/18 11:04 • (LCSD) R3323970-2 07/08/18 11:24

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 %
Acetone	125	124	119	99.0	95.2	10.0-160			3.96	23
Benzene	25.0	23.5	22.4	94.1	89.6	69.0-123			4.92	20
Bromodichloromethane	25.0	25.8	25.2	103	101	76.0-120			2.41	20
Bromochloromethane	25.0	28.0	26.1	112	104	76.0-122			6.92	20
Bromoform	25.0	26.2	24.7	105	98.9	67.0-132			5.64	20
Bromomethane	25.0	30.2	23.5	121	93.9	18.0-160		J3	25.0	20
n-Butylbenzene	25.0	25.9	25.9	103	104	72.0-126			0.0996	20
sec-Butylbenzene	25.0	26.3	26.0	105	104	74.0-121			1.09	20
tert-Butylbenzene	25.0	24.2	24.1	96.7	96.4	75.0-122			0.325	20
Carbon disulfide	25.0	21.6	20.7	86.4	82.7	55.0-127			4.40	20

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

(LCS) R3323970-1 07/08/18 11:04 • (LCSD) R3323970-2 07/08/18 11:24

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 %
Carbon tetrachloride	25.0	24.0	22.6	95.8	90.3	63.0-122			5.91	20
Chlorobenzene	25.0	26.6	25.8	107	103	79.0-121			3.41	20
Chlorodibromomethane	25.0	26.3	24.3	105	97.3	75.0-125			7.61	20
Chloroethane	25.0	28.1	27.3	112	109	47.0-152			2.81	20
Chloroform	25.0	24.8	23.8	99.3	95.2	72.0-121			4.16	20
Chloromethane	25.0	21.4	20.8	85.7	83.2	48.0-139			3.00	20
Cyclohexane	25.0	24.4	22.9	97.6	91.5	70.0-130			6.46	20
1,2-Dibromo-3-Chloropropane	25.0	26.3	26.7	105	107	64.0-127			1.37	20
1,2-Dibromoethane	25.0	26.7	26.1	107	105	77.0-123			2.09	20
1,2-Dichlorobenzene	25.0	26.9	25.9	108	103	80.0-120			3.85	20
1,3-Dichlorobenzene	25.0	25.1	25.1	100	100	72.0-123			0.0696	20
1,4-Dichlorobenzene	25.0	26.0	25.4	104	102	77.0-120			2.11	20
Dichlorodifluoromethane	25.0	24.4	23.7	97.6	94.8	49.0-155			2.84	20
1,1-Dichloroethane	25.0	24.5	23.3	97.9	93.2	70.0-126			4.90	20
1,2-Dichloroethane	25.0	25.1	24.4	100	97.5	67.0-126			3.00	20
1,1-Dichloroethene	25.0	23.0	22.3	92.1	89.2	64.0-129			3.16	20
cis-1,2-Dichloroethene	25.0	24.8	22.8	99.0	91.3	73.0-120			8.15	20
trans-1,2-Dichloroethene	25.0	24.3	23.4	97.0	93.7	71.0-121			3.46	20
1,2-Dichloropropane	25.0	25.9	25.5	104	102	75.0-125			1.37	20
cis-1,3-Dichloropropene	25.0	26.7	26.0	107	104	79.0-123			2.68	20
trans-1,3-Dichloropropene	25.0	25.6	25.1	102	100	74.0-127			1.95	20
Ethylbenzene	25.0	26.1	25.7	105	103	77.0-120			1.63	20
2-Hexanone	125	137	131	110	105	58.0-147			4.67	20
Isopropylbenzene	25.0	25.5	24.8	102	99.2	75.0-120			2.87	20
p-Isopropyltoluene	25.0	26.7	26.7	107	107	74.0-126			0.0480	20
2-Butanone (MEK)	125	114	109	90.9	87.0	37.0-158			4.33	20
Methyl Acetate	125	119	114	95.5	91.4	70.0-130			4.42	20
Methyl Cyclohexane	25.0	23.9	23.6	95.4	94.4	70.0-130			1.09	20
Methylene Chloride	25.0	22.5	22.1	89.9	88.3	66.0-121			1.83	20
4-Methyl-2-pentanone (MIBK)	125	129	124	103	99.4	59.0-143			3.81	20
Methyl tert-butyl ether	25.0	25.2	24.0	101	96.1	64.0-123			4.94	20
Naphthalene	25.0	25.3	25.0	101	100	62.0-128			1.02	20
n-Propylbenzene	25.0	24.8	24.2	99.4	97.0	79.0-120			2.45	20
Styrene	25.0	25.5	25.2	102	101	78.0-124			1.43	20
1,1,2,2-Tetrachloroethane	25.0	26.6	25.3	107	101	71.0-122			5.35	20
Tetrachloroethene	25.0	25.7	24.3	103	97.0	70.0-127			5.63	20
Toluene	25.0	25.2	24.6	101	98.3	77.0-120			2.46	20
1,1,2-Trichlorotrifluoroethane	25.0	24.0	22.6	95.9	90.5	61.0-136			5.76	20
1,2,3-Trichlorobenzene	25.0	25.7	25.4	103	101	61.0-133			1.29	20
1,2,4-Trichlorobenzene	25.0	25.4	25.3	102	101	69.0-129			0.312	20

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

(LCS) R3323970-1 07/08/18 11:04 • (LCSD) R3323970-2 07/08/18 11:24

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 %
1,1,1-Trichloroethane	25.0	24.1	22.7	96.4	90.9	68.0-122			5.87	20
1,1,2-Trichloroethane	25.0	26.5	25.9	106	104	78.0-120			2.32	20
Trichloroethene	25.0	25.0	24.2	100	96.9	78.0-120			3.30	20
Trichlorofluoromethane	25.0	24.1	23.7	96.5	94.7	56.0-137			1.95	20
1,2,4-Trimethylbenzene	25.0	26.5	25.9	106	104	75.0-120			2.12	20
1,3,5-Trimethylbenzene	25.0	26.8	25.6	107	102	75.0-120			4.66	20
Vinyl chloride	25.0	25.9	24.1	104	96.4	64.0-133			7.36	20
o-Xylene	25.0	26.1	25.6	104	103	78.0-120			1.90	20
m&p-Xylenes	50.0	51.9	50.6	104	101	77.0-120			2.52	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*93.6*	*92.6*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*97.4*	*96.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.5*	*95.3*	*80.0-120*				

Method Blank (MB)

(MB) R3323501-1 07/06/18 07:00

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
PCB 1016	U		3.50	17.0
PCB 1221	U		5.37	17.0
PCB 1232	U		4.17	17.0
PCB 1242	U		3.18	17.0
PCB 1248	U		3.15	17.0
PCB 1254	U		4.72	17.0
PCB 1260	U		4.94	17.0
(S) Decachlorobiphenyl	*80.2*			*10.0-148*
(S) Tetrachloro-m-xylene	*56.7*			*21.0-146*

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

(LCS) R3323501-2 07/06/18 07:14 • (LCSD) R3323501-3 07/06/18 07:28

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 %
PCB 1260	167	170	148	102	88.8	37.0-145	P	P	13.8	37
PCB 1016	167	149	134	89.6	80.2	36.0-141			11.2	35
(S) Decachlorobiphenyl				*106*	*106*	*10.0-148*				
(S) Tetrachloro-m-xylene				*74.4*	*74.0*	*21.0-146*				

L1005470-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1005470-03 07/06/18 11:09 • (MS) R3323771-1 07/06/18 11:25 • (MSD) R3323771-2 07/06/18 11:41

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 %
PCB 1260	186	U	194	173	104	92.8	1	10.0-160			11.4	31
PCB 1016	186	U	233	219	125	118	1	17.0-160			6.40	30
(S) Decachlorobiphenyl					*76.5*	*74.6*		*10.0-148*				
(S) Tetrachloro-m-xylene					*81.4*	*83.7*		*21.0-146*				

Method Blank (MB)

(MB) R3323131-1 07/04/18 11:01

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	*98.4*			*31.0-146*
(S) 2-Fluorobiphenyl	*99.9*			*31.0-130*
(S) p-Terphenyl-d14	*111*			*20.0-127*

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

(LCS) R3323131-2 07/04/18 11:26 • (LCSD) R3323131-3 07/04/18 11:52

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	385	377	96.2	94.3	51.0-126			2.03	20
Acenaphthylene	400	395	384	98.8	96.0	50.0-130			2.86	20
Anthracene	400	395	388	98.8	96.9	48.0-128			1.91	20
Benzo(a)anthracene	400	392	382	97.9	95.5	48.0-127			2.48	20
Benzo(b)fluoranthene	400	384	377	96.1	94.3	44.0-131			1.88	20
Benzo(k)fluoranthene	400	376	362	94.0	90.5	48.0-128			3.78	20
Benzo(g,h,i)perylene	400	414	407	104	102	46.0-140			1.78	20
Benzo(a)pyrene	400	382	372	95.4	93.1	48.0-136			2.47	20
Chrysene	400	396	390	98.9	97.4	49.0-130			1.54	20
Dibenz(a,h)anthracene	400	404	394	101	98.4	47.0-135			2.55	20
Fluoranthene	400	408	407	102	102	53.0-131			0.147	20
Fluorene	400	385	375	96.2	93.7	49.0-128			2.66	20
Naphthalene	400	369	358	92.2	89.5	53.0-120			2.91	20
Phenanthrene	400	385	377	96.2	94.1	47.0-129			2.16	20

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

(LCS) R3323131-2 07/04/18 11:26 • (LCSD) R3323131-3 07/04/18 11:52

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	399	391	99.7	97.8	50.0-146			1.95	20
Indeno(1,2,3-cd)pyrene	400	409	405	102	101	49.0-136			0.995	20
(S) Nitrobenzene-d5				*99.8*	*101*	*31.0-146*				
(S) 2-Fluorobiphenyl				*100*	*101*	*31.0-130*				
(S) p-Terphenyl-d14				*107*	*108*	*20.0-127*				

L1005373-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1005373-01 07/05/18 11:01 • (MS) R3323465-1 07/05/18 11:53 • (MSD) R3323465-2 07/05/18 12:18

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	463	U	377	351	81.5	75.9	1	35.0-125			7.13	20
Acenaphthylene	463	U	389	358	84.0	77.3	1	41.0-125			8.34	20
Anthracene	463	U	392	357	84.8	77.2	1	19.0-132			9.39	20
Benzo(a)anthracene	463	U	386	364	83.4	78.6	1	13.0-130			5.96	22
Benzo(b)fluoranthene	463	U	350	325	75.6	70.2	1	10.0-133			7.35	25
Benzo(k)fluoranthene	463	U	383	355	82.9	76.7	1	19.0-125			7.72	26
Benzo(g,h,i)perylene	463	U	389	364	84.0	78.6	1	10.0-138			6.63	24
Benzo(a)pyrene	463	U	373	349	80.7	75.4	1	10.0-139			6.83	24
Chrysene	463	U	385	354	83.2	76.4	1	16.0-133			8.54	21
Dibenz(a,h)anthracene	463	U	388	362	83.7	78.2	1	21.0-129			6.79	24
Fluoranthene	463	U	417	384	90.1	83.0	1	10.0-142			8.19	21
Fluorene	463	U	379	353	82.0	76.3	1	31.0-126			7.19	20
Naphthalene	463	U	361	340	77.9	73.5	1	39.0-123			5.88	20
Phenanthrene	463	U	382	350	82.5	75.6	1	19.0-132			8.70	20
Pyrene	463	U	394	363	85.2	78.5	1	11.0-150			8.12	22
Indeno(1,2,3-cd)pyrene	463	U	387	362	83.6	78.2	1	13.0-133			6.65	24
(S) Nitrobenzene-d5					*88.2*	*83.8*		*31.0-146*				
(S) 2-Fluorobiphenyl					*89.9*	*85.9*		*31.0-130*				
(S) p-Terphenyl-d14					*94.6*	*89.9*		*20.0-127*				

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.

Pace National 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 Pace National.

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

Pace National 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. Pace National performs all testing at our central laboratory.

LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Pres Chk

Report to: Mike Marrash

Email To: mmarrash@labellapc.com

Project Description: 872 Hudson Ave

City/State Collected: NY-ROC

Phone: 585-454-6110
Fax:

Client Project # 2101794

Lab Project #

Collected by (print): Mike Marrash

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCL/CP-51 VOC 8260	CP-51 SVOC 8270	RCRA Metals 6010/7470	PCBs 8082	Remarks	Sample # (lab only)
SB-02	G	SS		6/26/18	0945	2		X	X			-01
SB-03		SS			1000	2		X	X			-02
SB-04		SS			1115	4	X	X	X	X		-03
SB-08		SS			1330	1	X					-04
MW-SB-02		GW			1700	2	X					-05
MW-SB-04					1720	2	X					-06
MW-SB-07					1735	2	X					-07
MW-SB-10					1150	2	X					-08

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABORATORIES
a subsidiary of Accutest
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1005871
D224

Acctnum: LABRNY
Template:
Prelogin:
TSR: 364 - T. Alan Harvill
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: GW - VOC preserved w/ HCL

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ✓Y ___N
Bottles arrive intact: ✓Y ___N
Correct bottles used: ✓Y ___N
Sufficient volume sent: ✓Y ___N
If Applicable
VOA Zero Headspace: ✓Y ___N
Preservation Correct/Checked: ___Y ___N

Samples returned via:
___ UPS ✓ FedEx ___ Courier ___

Tracking # 4430 3426 5119

Trip Blank Received: Yes / (No)
HCL / MeoH
TBR

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	6/28/18	330	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			Ramon

Temp: 4.1 °C Bottles Received: 17

If preservation required by Login: Date/Time

Date: 6/29/18 Time: 0845

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 30, 2018

LaBella Associates, P.C.

Sample Delivery Group:	L1011424
Samples Received:	07/21/2018
Project Number:	2181763
Description:	872 Hudson Ave.

Report To: Mr. Mike Marrash
300 State Street, Suite 201
Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Project Manager

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 Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

SB-11 L1011424-01 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 09:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143025	1	07/26/18 10:35	07/26/18 10:44	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 14:07	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 17:09	ACG

SB-12 L1011424-02 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 10:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143025	1	07/26/18 10:35	07/26/18 10:44	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 14:26	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 17:29	ACG

SB-13 L1011424-03 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 11:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143025	1	07/26/18 10:35	07/26/18 10:44	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 14:45	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 17:49	ACG

SB-14 L1011424-04 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 12:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143026	1	07/26/18 10:23	07/26/18 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 15:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 18:08	ACG

SB-15 L1011424-05 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 13:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143026	1	07/26/18 10:23	07/26/18 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 15:23	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 18:28	ACG

SB-16 L1011424-06 Solid

Collected by: Mike Marrash | Collected date/time: 07/16/18 10:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143026	1	07/26/18 10:23	07/26/18 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 15:42	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 18:47	ACG

SB-17 L1011424-07 Solid

Collected by	Collected date/time	Received date/time
Mike Marrash	07/16/18 13:30	07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1143026	1	07/26/18 10:23	07/26/18 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144449	1	07/24/18 14:33	07/28/18 16:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1144739	1	07/24/18 14:33	07/29/18 19:06	ACG

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
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	07/26/2018 10:44	WG1143025

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		28.3	1	07/28/2018 14:07	WG1144449
Benzene	ND		1.13	1	07/28/2018 14:07	WG1144449
Bromochloromethane	ND	J4	5.67	1	07/28/2018 14:07	WG1144449
Bromodichloromethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Bromoform	ND		28.3	1	07/28/2018 14:07	WG1144449
Bromomethane	ND		14.2	1	07/28/2018 14:07	WG1144449
Carbon disulfide	ND		14.2	1	07/28/2018 14:07	WG1144449
Carbon tetrachloride	ND		5.67	1	07/28/2018 14:07	WG1144449
Chlorobenzene	ND		2.83	1	07/28/2018 14:07	WG1144449
Chlorodibromomethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Chloroethane	ND		5.67	1	07/28/2018 14:07	WG1144449
Chloroform	ND		2.83	1	07/28/2018 14:07	WG1144449
Chloromethane	ND		14.2	1	07/28/2018 14:07	WG1144449
Cyclohexane	ND		2.83	1	07/28/2018 14:07	WG1144449
1,2-Dibromo-3-Chloropropane	ND		28.3	1	07/28/2018 14:07	WG1144449
1,2-Dibromoethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Dichlorodifluoromethane	ND	J4	2.83	1	07/28/2018 14:07	WG1144449
1,1-Dichloroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
1,2-Dichloroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
1,2-Dichlorobenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,3-Dichlorobenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,4-Dichlorobenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,1-Dichloroethene	ND		2.83	1	07/28/2018 14:07	WG1144449
cis-1,2-Dichloroethene	ND		2.83	1	07/28/2018 14:07	WG1144449
trans-1,2-Dichloroethene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,2-Dichloropropane	ND		5.67	1	07/29/2018 17:09	WG1144739
cis-1,3-Dichloropropene	ND		2.83	1	07/28/2018 14:07	WG1144449
trans-1,3-Dichloropropene	ND		5.67	1	07/28/2018 14:07	WG1144449
Ethylbenzene	22.0		2.83	1	07/28/2018 14:07	WG1144449
2-Hexanone	ND		28.3	1	07/28/2018 14:07	WG1144449
Isopropylbenzene	ND		2.83	1	07/28/2018 14:07	WG1144449
2-Butanone (MEK)	ND		28.3	1	07/28/2018 14:07	WG1144449
Methyl Acetate	ND		5.67	1	07/29/2018 17:09	WG1144739
Methyl Cyclohexane	ND		5.67	1	07/28/2018 14:07	WG1144449
Methylene Chloride	ND		28.3	1	07/28/2018 14:07	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		28.3	1	07/28/2018 14:07	WG1144449
Methyl tert-butyl ether	ND		1.13	1	07/28/2018 14:07	WG1144449
Naphthalene	ND		14.2	1	07/28/2018 14:07	WG1144449
Styrene	ND		14.2	1	07/28/2018 14:07	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Tetrachloroethene	ND		2.83	1	07/29/2018 17:09	WG1144739
Toluene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.83	1	07/28/2018 14:07	WG1144449
1,2,4-Trichlorobenzene	ND		14.2	1	07/28/2018 14:07	WG1144449
1,1,1-Trichloroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
1,1,2-Trichloroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Trichloroethene	4.98		1.13	1	07/28/2018 14:07	WG1144449
Trichlorofluoromethane	ND		2.83	1	07/28/2018 14:07	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.83	1	07/28/2018 14:07	WG1144449
Vinyl chloride	ND		2.83	1	07/28/2018 14:07	WG1144449

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	65.5		2.83	1	07/28/2018 14:07	WG1144449
m&p-Xylenes	182		4.53	1	07/28/2018 14:07	WG1144449
n-Butylbenzene	ND		14.2	1	07/28/2018 14:07	WG1144449
sec-Butylbenzene	ND		14.2	1	07/28/2018 14:07	WG1144449
tert-Butylbenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
1,2,4-Trimethylbenzene	8.70		5.67	1	07/28/2018 14:07	WG1144449
1,3,5-Trimethylbenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
n-Propylbenzene	ND		5.67	1	07/28/2018 14:07	WG1144449
p-Isopropyltoluene	ND		5.67	1	07/28/2018 14:07	WG1144449
(S) Toluene-d8	*106*		*80.0-120*		*07/28/2018 14:07*	WG1144449
(S) Toluene-d8	*119*		*80.0-120*		*07/29/2018 17:09*	WG1144739
(S) Dibromofluoromethane	*86.1*		*74.0-131*		*07/28/2018 14:07*	WG1144449
(S) Dibromofluoromethane	*93.6*		*74.0-131*		*07/29/2018 17:09*	WG1144739
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*07/28/2018 14:07*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 17:09*	WG1144739
(S) 4-Bromofluorobenzene	*98.4*		*64.0-132*		*07/28/2018 14:07*	WG1144449
(S) 4-Bromofluorobenzene	*98.9*		*64.0-132*		*07/29/2018 17:09*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	07/26/2018 10:44	WG1143025

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		27.2	1	07/28/2018 14:26	WG1144449
Benzene	ND		1.09	1	07/28/2018 14:26	WG1144449
Bromochloromethane	ND	J4	5.43	1	07/28/2018 14:26	WG1144449
Bromodichloromethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Bromoform	ND		27.2	1	07/28/2018 14:26	WG1144449
Bromomethane	ND		13.6	1	07/28/2018 14:26	WG1144449
Carbon disulfide	ND		13.6	1	07/28/2018 14:26	WG1144449
Carbon tetrachloride	ND		5.43	1	07/28/2018 14:26	WG1144449
Chlorobenzene	ND		2.72	1	07/28/2018 14:26	WG1144449
Chlorodibromomethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Chloroethane	ND		5.43	1	07/28/2018 14:26	WG1144449
Chloroform	ND		2.72	1	07/28/2018 14:26	WG1144449
Chloromethane	ND		13.6	1	07/28/2018 14:26	WG1144449
Cyclohexane	ND		2.72	1	07/28/2018 14:26	WG1144449
1,2-Dibromo-3-Chloropropane	ND		27.2	1	07/28/2018 14:26	WG1144449
1,2-Dibromoethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Dichlorodifluoromethane	ND	J4	2.72	1	07/28/2018 14:26	WG1144449
1,1-Dichloroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
1,2-Dichloroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
1,2-Dichlorobenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,3-Dichlorobenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,4-Dichlorobenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,1-Dichloroethene	ND		2.72	1	07/28/2018 14:26	WG1144449
cis-1,2-Dichloroethene	ND		2.72	1	07/28/2018 14:26	WG1144449
trans-1,2-Dichloroethene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,2-Dichloropropane	ND		5.43	1	07/29/2018 17:29	WG1144739
cis-1,3-Dichloropropene	ND		2.72	1	07/28/2018 14:26	WG1144449
trans-1,3-Dichloropropene	ND		5.43	1	07/28/2018 14:26	WG1144449
Ethylbenzene	ND		2.72	1	07/28/2018 14:26	WG1144449
2-Hexanone	ND		27.2	1	07/28/2018 14:26	WG1144449
Isopropylbenzene	ND		2.72	1	07/28/2018 14:26	WG1144449
2-Butanone (MEK)	ND		27.2	1	07/28/2018 14:26	WG1144449
Methyl Acetate	ND		5.43	1	07/29/2018 17:29	WG1144739
Methyl Cyclohexane	ND		5.43	1	07/28/2018 14:26	WG1144449
Methylene Chloride	ND		27.2	1	07/28/2018 14:26	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		27.2	1	07/28/2018 14:26	WG1144449
Methyl tert-butyl ether	ND		1.09	1	07/28/2018 14:26	WG1144449
Naphthalene	ND		13.6	1	07/28/2018 14:26	WG1144449
Styrene	ND		13.6	1	07/28/2018 14:26	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Tetrachloroethene	ND		2.72	1	07/29/2018 17:29	WG1144739
Toluene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.72	1	07/28/2018 14:26	WG1144449
1,2,4-Trichlorobenzene	ND		13.6	1	07/28/2018 14:26	WG1144449
1,1,1-Trichloroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
1,1,2-Trichloroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Trichloroethene	18.6		1.09	1	07/28/2018 14:26	WG1144449
Trichlorofluoromethane	ND		2.72	1	07/28/2018 14:26	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.72	1	07/28/2018 14:26	WG1144449
Vinyl chloride	ND		2.72	1	07/28/2018 14:26	WG1144449

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.72	1	07/28/2018 14:26	WG1144449
m&p-Xylenes	ND		4.35	1	07/28/2018 14:26	WG1144449
n-Butylbenzene	ND		13.6	1	07/28/2018 14:26	WG1144449
sec-Butylbenzene	ND		13.6	1	07/28/2018 14:26	WG1144449
tert-Butylbenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,2,4-Trimethylbenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
1,3,5-Trimethylbenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
n-Propylbenzene	ND		5.43	1	07/28/2018 14:26	WG1144449
p-Isopropyltoluene	ND		5.43	1	07/28/2018 14:26	WG1144449
(S) Toluene-d8	*105*		*80.0-120*		*07/28/2018 14:26*	WG1144449
(S) Toluene-d8	*118*		*80.0-120*		*07/29/2018 17:29*	WG1144739
(S) Dibromofluoromethane	*85.1*		*74.0-131*		*07/28/2018 14:26*	WG1144449
(S) Dibromofluoromethane	*92.4*		*74.0-131*		*07/29/2018 17:29*	WG1144739
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/28/2018 14:26*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 17:29*	WG1144739
(S) 4-Bromofluorobenzene	*103*		*64.0-132*		*07/28/2018 14:26*	WG1144449
(S) 4-Bromofluorobenzene	*94.6*		*64.0-132*		*07/29/2018 17:29*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	07/26/2018 10:44	WG1143025

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		26.8	1	07/28/2018 14:45	WG1144449
Benzene	ND		1.07	1	07/28/2018 14:45	WG1144449
Bromochloromethane	ND	J4	5.37	1	07/28/2018 14:45	WG1144449
Bromodichloromethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Bromoform	ND		26.8	1	07/28/2018 14:45	WG1144449
Bromomethane	ND		13.4	1	07/28/2018 14:45	WG1144449
Carbon disulfide	ND		13.4	1	07/28/2018 14:45	WG1144449
Carbon tetrachloride	ND		5.37	1	07/28/2018 14:45	WG1144449
Chlorobenzene	ND		2.68	1	07/28/2018 14:45	WG1144449
Chlorodibromomethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Chloroethane	ND		5.37	1	07/28/2018 14:45	WG1144449
Chloroform	ND		2.68	1	07/28/2018 14:45	WG1144449
Chloromethane	ND		13.4	1	07/28/2018 14:45	WG1144449
Cyclohexane	ND		2.68	1	07/28/2018 14:45	WG1144449
1,2-Dibromo-3-Chloropropane	ND		26.8	1	07/28/2018 14:45	WG1144449
1,2-Dibromoethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Dichlorodifluoromethane	ND	J4	2.68	1	07/28/2018 14:45	WG1144449
1,1-Dichloroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
1,2-Dichloroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
1,2-Dichlorobenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,3-Dichlorobenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,4-Dichlorobenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,1-Dichloroethene	ND		2.68	1	07/28/2018 14:45	WG1144449
cis-1,2-Dichloroethene	ND		2.68	1	07/28/2018 14:45	WG1144449
trans-1,2-Dichloroethene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,2-Dichloropropane	ND		5.37	1	07/29/2018 17:49	WG1144739
cis-1,3-Dichloropropene	ND		2.68	1	07/28/2018 14:45	WG1144449
trans-1,3-Dichloropropene	ND		5.37	1	07/28/2018 14:45	WG1144449
Ethylbenzene	ND		2.68	1	07/28/2018 14:45	WG1144449
2-Hexanone	ND		26.8	1	07/28/2018 14:45	WG1144449
Isopropylbenzene	ND		2.68	1	07/28/2018 14:45	WG1144449
2-Butanone (MEK)	ND		26.8	1	07/28/2018 14:45	WG1144449
Methyl Acetate	ND		5.37	1	07/29/2018 17:49	WG1144739
Methyl Cyclohexane	ND		5.37	1	07/28/2018 14:45	WG1144449
Methylene Chloride	ND		26.8	1	07/28/2018 14:45	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		26.8	1	07/28/2018 14:45	WG1144449
Methyl tert-butyl ether	ND		1.07	1	07/28/2018 14:45	WG1144449
Naphthalene	ND		13.4	1	07/28/2018 14:45	WG1144449
Styrene	ND		13.4	1	07/28/2018 14:45	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Tetrachloroethene	ND		2.68	1	07/29/2018 17:49	WG1144739
Toluene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.68	1	07/28/2018 14:45	WG1144449
1,2,4-Trichlorobenzene	ND		13.4	1	07/28/2018 14:45	WG1144449
1,1,1-Trichloroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
1,1,2-Trichloroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Trichloroethene	4.17		1.07	1	07/28/2018 14:45	WG1144449
Trichlorofluoromethane	ND		2.68	1	07/28/2018 14:45	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.68	1	07/28/2018 14:45	WG1144449
Vinyl chloride	ND		2.68	1	07/28/2018 14:45	WG1144449

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.68	1	07/28/2018 14:45	WG1144449
m&p-Xylenes	ND		4.29	1	07/28/2018 14:45	WG1144449
n-Butylbenzene	ND		13.4	1	07/28/2018 14:45	WG1144449
sec-Butylbenzene	ND		13.4	1	07/28/2018 14:45	WG1144449
tert-Butylbenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,2,4-Trimethylbenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
1,3,5-Trimethylbenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
n-Propylbenzene	ND		5.37	1	07/28/2018 14:45	WG1144449
p-Isopropyltoluene	ND		5.37	1	07/28/2018 14:45	WG1144449
(S) Toluene-d8	*103*		*80.0-120*		*07/28/2018 14:45*	WG1144449
(S) Toluene-d8	*117*		*80.0-120*		*07/29/2018 17:49*	WG1144739
(S) Dibromofluoromethane	*91.6*		*74.0-131*		*07/28/2018 14:45*	WG1144449
(S) Dibromofluoromethane	*93.2*		*74.0-131*		*07/29/2018 17:49*	WG1144739
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*07/28/2018 14:45*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 17:49*	WG1144739
(S) 4-Bromofluorobenzene	*109*		*64.0-132*		*07/28/2018 14:45*	WG1144449
(S) 4-Bromofluorobenzene	*98.3*		*64.0-132*		*07/29/2018 17:49*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	07/26/2018 10:32	WG1143026

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		26.7	1	07/28/2018 15:04	WG1144449
Benzene	ND		1.07	1	07/28/2018 15:04	WG1144449
Bromochloromethane	ND	J4	5.35	1	07/28/2018 15:04	WG1144449
Bromodichloromethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Bromoform	ND		26.7	1	07/28/2018 15:04	WG1144449
Bromomethane	ND		13.4	1	07/28/2018 15:04	WG1144449
Carbon disulfide	ND		13.4	1	07/28/2018 15:04	WG1144449
Carbon tetrachloride	ND		5.35	1	07/28/2018 15:04	WG1144449
Chlorobenzene	ND		2.67	1	07/28/2018 15:04	WG1144449
Chlorodibromomethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Chloroethane	ND		5.35	1	07/28/2018 15:04	WG1144449
Chloroform	ND		2.67	1	07/28/2018 15:04	WG1144449
Chloromethane	ND		13.4	1	07/28/2018 15:04	WG1144449
Cyclohexane	ND		2.67	1	07/28/2018 15:04	WG1144449
1,2-Dibromo-3-Chloropropane	ND		26.7	1	07/28/2018 15:04	WG1144449
1,2-Dibromoethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Dichlorodifluoromethane	ND	J4	2.67	1	07/28/2018 15:04	WG1144449
1,1-Dichloroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
1,2-Dichloroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
1,2-Dichlorobenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,3-Dichlorobenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,4-Dichlorobenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,1-Dichloroethene	ND		2.67	1	07/28/2018 15:04	WG1144449
cis-1,2-Dichloroethene	ND		2.67	1	07/28/2018 15:04	WG1144449
trans-1,2-Dichloroethene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,2-Dichloropropane	ND		5.35	1	07/29/2018 18:08	WG1144739
cis-1,3-Dichloropropene	ND		2.67	1	07/28/2018 15:04	WG1144449
trans-1,3-Dichloropropene	ND		5.35	1	07/28/2018 15:04	WG1144449
Ethylbenzene	ND		2.67	1	07/28/2018 15:04	WG1144449
2-Hexanone	ND		26.7	1	07/28/2018 15:04	WG1144449
Isopropylbenzene	ND		2.67	1	07/28/2018 15:04	WG1144449
2-Butanone (MEK)	ND		26.7	1	07/28/2018 15:04	WG1144449
Methyl Acetate	ND		5.35	1	07/29/2018 18:08	WG1144739
Methyl Cyclohexane	ND		5.35	1	07/28/2018 15:04	WG1144449
Methylene Chloride	ND		26.7	1	07/28/2018 15:04	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		26.7	1	07/28/2018 15:04	WG1144449
Methyl tert-butyl ether	ND		1.07	1	07/28/2018 15:04	WG1144449
Naphthalene	ND		13.4	1	07/28/2018 15:04	WG1144449
Styrene	ND		13.4	1	07/28/2018 15:04	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Tetrachloroethene	8.26		2.67	1	07/29/2018 18:08	WG1144739
Toluene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.67	1	07/28/2018 15:04	WG1144449
1,2,4-Trichlorobenzene	ND		13.4	1	07/28/2018 15:04	WG1144449
1,1,1-Trichloroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
1,1,2-Trichloroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Trichloroethene	190		1.07	1	07/28/2018 15:04	WG1144449
Trichlorofluoromethane	ND		2.67	1	07/28/2018 15:04	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.67	1	07/28/2018 15:04	WG1144449
Vinyl chloride	ND		2.67	1	07/28/2018 15:04	WG1144449

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.67	1	07/28/2018 15:04	WG1144449
m&p-Xylenes	ND		4.28	1	07/28/2018 15:04	WG1144449
n-Butylbenzene	ND		13.4	1	07/28/2018 15:04	WG1144449
sec-Butylbenzene	ND		13.4	1	07/28/2018 15:04	WG1144449
tert-Butylbenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,2,4-Trimethylbenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
1,3,5-Trimethylbenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
n-Propylbenzene	ND		5.35	1	07/28/2018 15:04	WG1144449
p-Isopropyltoluene	ND		5.35	1	07/28/2018 15:04	WG1144449
(S) Toluene-d8	*106*		*80.0-120*		*07/28/2018 15:04*	WG1144449
(S) Toluene-d8	*118*		*80.0-120*		*07/29/2018 18:08*	WG1144739
(S) Dibromofluoromethane	*92.7*		*74.0-131*		*07/28/2018 15:04*	WG1144449
(S) Dibromofluoromethane	*91.5*		*74.0-131*		*07/29/2018 18:08*	WG1144739
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/28/2018 15:04*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 18:08*	WG1144739
(S) 4-Bromofluorobenzene	*108*		*64.0-132*		*07/28/2018 15:04*	WG1144449
(S) 4-Bromofluorobenzene	*98.5*		*64.0-132*		*07/29/2018 18:08*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	07/26/2018 10:32	WG1143026

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		27.7	1	07/28/2018 15:23	WG1144449
Benzene	ND		1.11	1	07/28/2018 15:23	WG1144449
Bromochloromethane	ND	J4	5.55	1	07/28/2018 15:23	WG1144449
Bromodichloromethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Bromoform	ND		27.7	1	07/28/2018 15:23	WG1144449
Bromomethane	ND		13.9	1	07/28/2018 15:23	WG1144449
Carbon disulfide	ND		13.9	1	07/28/2018 15:23	WG1144449
Carbon tetrachloride	ND		5.55	1	07/28/2018 15:23	WG1144449
Chlorobenzene	ND		2.77	1	07/28/2018 15:23	WG1144449
Chlorodibromomethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Chloroethane	ND		5.55	1	07/28/2018 15:23	WG1144449
Chloroform	ND		2.77	1	07/28/2018 15:23	WG1144449
Chloromethane	ND		13.9	1	07/28/2018 15:23	WG1144449
Cyclohexane	ND		2.77	1	07/28/2018 15:23	WG1144449
1,2-Dibromo-3-Chloropropane	ND		27.7	1	07/28/2018 15:23	WG1144449
1,2-Dibromoethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Dichlorodifluoromethane	ND	J4	2.77	1	07/28/2018 15:23	WG1144449
1,1-Dichloroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
1,2-Dichloroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
1,2-Dichlorobenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,3-Dichlorobenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,4-Dichlorobenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,1-Dichloroethene	ND		2.77	1	07/28/2018 15:23	WG1144449
cis-1,2-Dichloroethene	ND		2.77	1	07/28/2018 15:23	WG1144449
trans-1,2-Dichloroethene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,2-Dichloropropane	ND		5.55	1	07/29/2018 18:28	WG1144739
cis-1,3-Dichloropropene	ND		2.77	1	07/28/2018 15:23	WG1144449
trans-1,3-Dichloropropene	ND		5.55	1	07/28/2018 15:23	WG1144449
Ethylbenzene	ND		2.77	1	07/28/2018 15:23	WG1144449
2-Hexanone	ND		27.7	1	07/28/2018 15:23	WG1144449
Isopropylbenzene	ND		2.77	1	07/28/2018 15:23	WG1144449
2-Butanone (MEK)	ND		27.7	1	07/28/2018 15:23	WG1144449
Methyl Acetate	ND		5.55	1	07/29/2018 18:28	WG1144739
Methyl Cyclohexane	ND		5.55	1	07/28/2018 15:23	WG1144449
Methylene Chloride	ND		27.7	1	07/28/2018 15:23	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		27.7	1	07/28/2018 15:23	WG1144449
Methyl tert-butyl ether	ND		1.11	1	07/28/2018 15:23	WG1144449
Naphthalene	ND		13.9	1	07/28/2018 15:23	WG1144449
Styrene	ND		13.9	1	07/28/2018 15:23	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Tetrachloroethene	ND		2.77	1	07/29/2018 18:28	WG1144739
Toluene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.77	1	07/28/2018 15:23	WG1144449
1,2,4-Trichlorobenzene	ND		13.9	1	07/28/2018 15:23	WG1144449
1,1,1-Trichloroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
1,1,2-Trichloroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Trichloroethene	66.4		1.11	1	07/28/2018 15:23	WG1144449
Trichlorofluoromethane	ND		2.77	1	07/28/2018 15:23	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.77	1	07/28/2018 15:23	WG1144449
Vinyl chloride	ND		2.77	1	07/28/2018 15:23	WG1144449

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.77	1	07/28/2018 15:23	WG1144449
m&p-Xylenes	ND		4.44	1	07/28/2018 15:23	WG1144449
n-Butylbenzene	ND		13.9	1	07/28/2018 15:23	WG1144449
sec-Butylbenzene	ND		13.9	1	07/28/2018 15:23	WG1144449
tert-Butylbenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,2,4-Trimethylbenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
1,3,5-Trimethylbenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
n-Propylbenzene	ND		5.55	1	07/28/2018 15:23	WG1144449
p-Isopropyltoluene	ND		5.55	1	07/28/2018 15:23	WG1144449
(S) Toluene-d8	*102*		*80.0-120*		*07/28/2018 15:23*	WG1144449
(S) Toluene-d8	*118*		*80.0-120*		*07/29/2018 18:28*	WG1144739
(S) Dibromofluoromethane	*95.1*		*74.0-131*		*07/28/2018 15:23*	WG1144449
(S) Dibromofluoromethane	*92.1*		*74.0-131*		*07/29/2018 18:28*	WG1144739
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*07/28/2018 15:23*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 18:28*	WG1144739
(S) 4-Bromofluorobenzene	*96.9*		*64.0-132*		*07/28/2018 15:23*	WG1144449
(S) 4-Bromofluorobenzene	*101*		*64.0-132*		*07/29/2018 18:28*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	07/26/2018 10:32	WG1143026

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		27.9	1	07/28/2018 15:42	WG1144449
Benzene	ND		1.11	1	07/28/2018 15:42	WG1144449
Bromochloromethane	ND	J4	5.57	1	07/28/2018 15:42	WG1144449
Bromodichloromethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Bromoform	ND		27.9	1	07/28/2018 15:42	WG1144449
Bromomethane	ND		13.9	1	07/28/2018 15:42	WG1144449
Carbon disulfide	ND		13.9	1	07/28/2018 15:42	WG1144449
Carbon tetrachloride	ND		5.57	1	07/28/2018 15:42	WG1144449
Chlorobenzene	ND		2.79	1	07/28/2018 15:42	WG1144449
Chlorodibromomethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Chloroethane	ND		5.57	1	07/28/2018 15:42	WG1144449
Chloroform	ND		2.79	1	07/28/2018 15:42	WG1144449
Chloromethane	ND		13.9	1	07/28/2018 15:42	WG1144449
Cyclohexane	ND		2.79	1	07/28/2018 15:42	WG1144449
1,2-Dibromo-3-Chloropropane	ND		27.9	1	07/28/2018 15:42	WG1144449
1,2-Dibromoethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Dichlorodifluoromethane	ND	J4	2.79	1	07/28/2018 15:42	WG1144449
1,1-Dichloroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
1,2-Dichloroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
1,2-Dichlorobenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,3-Dichlorobenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,4-Dichlorobenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,1-Dichloroethene	ND		2.79	1	07/28/2018 15:42	WG1144449
cis-1,2-Dichloroethene	8.96		2.79	1	07/28/2018 15:42	WG1144449
trans-1,2-Dichloroethene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,2-Dichloropropane	ND		5.57	1	07/29/2018 18:47	WG1144739
cis-1,3-Dichloropropene	ND		2.79	1	07/28/2018 15:42	WG1144449
trans-1,3-Dichloropropene	ND		5.57	1	07/28/2018 15:42	WG1144449
Ethylbenzene	ND		2.79	1	07/28/2018 15:42	WG1144449
2-Hexanone	ND		27.9	1	07/28/2018 15:42	WG1144449
Isopropylbenzene	ND		2.79	1	07/28/2018 15:42	WG1144449
2-Butanone (MEK)	ND		27.9	1	07/28/2018 15:42	WG1144449
Methyl Acetate	ND		5.57	1	07/29/2018 18:47	WG1144739
Methyl Cyclohexane	ND		5.57	1	07/28/2018 15:42	WG1144449
Methylene Chloride	ND		27.9	1	07/28/2018 15:42	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		27.9	1	07/28/2018 15:42	WG1144449
Methyl tert-butyl ether	ND		1.11	1	07/28/2018 15:42	WG1144449
Naphthalene	ND		13.9	1	07/28/2018 15:42	WG1144449
Styrene	ND		13.9	1	07/28/2018 15:42	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Tetrachloroethene	201		2.79	1	07/29/2018 18:47	WG1144739
Toluene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,2,3-Trichlorobenzene	ND	J3	2.79	1	07/28/2018 15:42	WG1144449
1,2,4-Trichlorobenzene	ND		13.9	1	07/28/2018 15:42	WG1144449
1,1,1-Trichloroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
1,1,2-Trichloroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Trichloroethene	605		1.11	1	07/28/2018 15:42	WG1144449
Trichlorofluoromethane	ND		2.79	1	07/28/2018 15:42	WG1144449
1,1,2-Trichlorotrifluoroethane	ND		2.79	1	07/28/2018 15:42	WG1144449
Vinyl chloride	ND		2.79	1	07/28/2018 15:42	WG1144449

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND		2.79	1	07/28/2018 15:42	WG1144449
m&p-Xylenes	ND		4.46	1	07/28/2018 15:42	WG1144449
n-Butylbenzene	ND		13.9	1	07/28/2018 15:42	WG1144449
sec-Butylbenzene	ND		13.9	1	07/28/2018 15:42	WG1144449
tert-Butylbenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,2,4-Trimethylbenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
1,3,5-Trimethylbenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
n-Propylbenzene	ND		5.57	1	07/28/2018 15:42	WG1144449
p-Isopropyltoluene	ND		5.57	1	07/28/2018 15:42	WG1144449
(S) Toluene-d8	*100*		*80.0-120*		*07/28/2018 15:42*	WG1144449
(S) Toluene-d8	*118*		*80.0-120*		*07/29/2018 18:47*	WG1144739
(S) Dibromofluoromethane	*90.6*		*74.0-131*		*07/28/2018 15:42*	WG1144449
(S) Dibromofluoromethane	*91.5*		*74.0-131*		*07/29/2018 18:47*	WG1144739
(S) a,a,a-Trifluorotoluene	*99.8*		*80.0-120*		*07/28/2018 15:42*	WG1144449
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*07/29/2018 18:47*	WG1144739
(S) 4-Bromofluorobenzene	*97.9*		*64.0-132*		*07/28/2018 15:42*	WG1144449
(S) 4-Bromofluorobenzene	*101*		*64.0-132*		*07/29/2018 18:47*	WG1144739

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	07/26/2018 10:32	WG1143026

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Acetone	ND		28.7	1	07/28/2018 16:01	WG1144449
Benzene	ND	J3 J6	1.15	1	07/28/2018 16:01	WG1144449
Bromochloromethane	ND	J3 J4 J6	5.73	1	07/28/2018 16:01	WG1144449
Bromodichloromethane	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
Bromoform	ND		28.7	1	07/28/2018 16:01	WG1144449
Bromomethane	ND	J3	14.3	1	07/28/2018 16:01	WG1144449
Carbon disulfide	ND	J3 J6	14.3	1	07/28/2018 16:01	WG1144449
Carbon tetrachloride	ND	J3 J6	5.73	1	07/28/2018 16:01	WG1144449
Chlorobenzene	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
Chlorodibromomethane	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
Chloroethane	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
Chloroform	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
Chloromethane	ND	J3	14.3	1	07/28/2018 16:01	WG1144449
Cyclohexane	ND		2.87	1	07/28/2018 16:01	WG1144449
1,2-Dibromo-3-Chloropropane	ND		28.7	1	07/28/2018 16:01	WG1144449
1,2-Dibromoethane	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
Dichlorodifluoromethane	ND	J3 J4	2.87	1	07/28/2018 16:01	WG1144449
1,1-Dichloroethane	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
1,2-Dichloroethane	ND		2.87	1	07/28/2018 16:01	WG1144449
1,2-Dichlorobenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
1,3-Dichlorobenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
1,4-Dichlorobenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
1,1-Dichloroethene	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
cis-1,2-Dichloroethene	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
trans-1,2-Dichloroethene	ND	J3 J6	5.73	1	07/28/2018 16:01	WG1144449
1,2-Dichloropropane	ND		5.73	1	07/29/2018 19:06	WG1144739
cis-1,3-Dichloropropene	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
trans-1,3-Dichloropropene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
Ethylbenzene	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
2-Hexanone	ND		28.7	1	07/28/2018 16:01	WG1144449
Isopropylbenzene	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
2-Butanone (MEK)	ND		28.7	1	07/28/2018 16:01	WG1144449
Methyl Acetate	ND		5.73	1	07/29/2018 19:06	WG1144739
Methyl Cyclohexane	ND		5.73	1	07/28/2018 16:01	WG1144449
Methylene Chloride	ND	J3	28.7	1	07/28/2018 16:01	WG1144449
4-Methyl-2-pentanone (MIBK)	ND		28.7	1	07/28/2018 16:01	WG1144449
Methyl tert-butyl ether	ND		1.15	1	07/28/2018 16:01	WG1144449
Naphthalene	ND		14.3	1	07/28/2018 16:01	WG1144449
Styrene	ND	J3	14.3	1	07/28/2018 16:01	WG1144449
1,1,2,2-Tetrachloroethane	ND		2.87	1	07/28/2018 16:01	WG1144449
Tetrachloroethene	4.05		2.87	1	07/29/2018 19:06	WG1144739
Toluene	ND	J3 J6	5.73	1	07/28/2018 16:01	WG1144449
1,2,3-Trichlorobenzene	ND		2.87	1	07/28/2018 16:01	WG1144449
1,2,4-Trichlorobenzene	ND		14.3	1	07/28/2018 16:01	WG1144449
1,1,1-Trichloroethane	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
1,1,2-Trichloroethane	ND		2.87	1	07/28/2018 16:01	WG1144449
Trichloroethene	24.5	J3 J5	1.15	1	07/28/2018 16:01	WG1144449
Trichlorofluoromethane	ND	J3	2.87	1	07/28/2018 16:01	WG1144449
1,1,2-Trichlorotrifluoroethane	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
Vinyl chloride	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
o-Xylene	ND	J3 J6	2.87	1	07/28/2018 16:01	WG1144449
m&p-Xylenes	ND	J3 J6	4.59	1	07/28/2018 16:01	WG1144449
n-Butylbenzene	ND	J3	14.3	1	07/28/2018 16:01	WG1144449
sec-Butylbenzene	ND	J3	14.3	1	07/28/2018 16:01	WG1144449
tert-Butylbenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
1,2,4-Trimethylbenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
1,3,5-Trimethylbenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
n-Propylbenzene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
p-Isopropyltoluene	ND	J3	5.73	1	07/28/2018 16:01	WG1144449
(S) Toluene-d8	*108*		*80.0-120*		*07/28/2018 16:01*	WG1144449
(S) Toluene-d8	*119*		*80.0-120*		*07/29/2018 19:06*	WG1144739
(S) Dibromofluoromethane	*96.6*		*74.0-131*		*07/28/2018 16:01*	WG1144449
(S) Dibromofluoromethane	*92.6*		*74.0-131*		*07/29/2018 19:06*	WG1144739
(S) a,a,a-Trifluorotoluene	*97.6*		*80.0-120*		*07/28/2018 16:01*	WG1144449
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*07/29/2018 19:06*	WG1144739
(S) 4-Bromofluorobenzene	*105*		*64.0-132*		*07/28/2018 16:01*	WG1144449
(S) 4-Bromofluorobenzene	*95.6*		*64.0-132*		*07/29/2018 19:06*	WG1144739

Method Blank (MB)

(MB) R3328957-1 07/26/18 10:44

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

L1011422-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1011422-07 07/26/18 10:44 • (DUP) R3328957-3 07/26/18 10:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.9	91.1	1	4.18		10

Laboratory Control Sample (LCS)

(LCS) R3328957-2 07/26/18 10:44

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) R3328952-1 07/26/18 10:32

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

L1011438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1011438-01 07/26/18 10:32 • (DUP) R3328952-3 07/26/18 10:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.0	94.1	1	0.102		10

Laboratory Control Sample (LCS)

(LCS) R3328952-2 07/26/18 10:32

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) R3329296-3 07/28/18 10:03

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		13.7	25.0
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
1,1-Dichloroethene	U		0.500	2.50
1,2-Dichloroethane	U		0.475	2.50
cis-1,2-Dichloroethene	U		0.690	2.50
trans-1,2-Dichloroethene	U		1.43	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
Methyl Cyclohexane	U		1.03	5.00
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0
Methyl tert-butyl ether	U		0.295	1.00
Naphthalene	U		3.12	12.5

Method Blank (MB)

(MB) R3329296-3 07/28/18 10:03

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
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50
Toluene	U		1.25	5.00
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) a,a,a-Trifluorotoluene	*98.1*			*80.0-120*
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*85.0*			*74.0-131*
(S) 4-Bromofluorobenzene	*106*			*64.0-132*

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

(LCS) R3329296-1 07/28/18 08:47 • (LCSD) R3329296-2 07/28/18 09:06

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	599	639	95.8	102	25.3-178			6.59	22.9
Bromodichloromethane	125	128	140	102	112	75.3-119			9.04	20
Benzene	125	109	118	87.0	94.5	72.6-120			8.23	20
Bromochloromethane	125	98.3	119	78.6	95.2	79.7-123	J4		19.1	20
Bromoform	125	133	142	106	113	69.1-135			6.33	20
Bromomethane	125	130	147	104	118	23.0-191			12.5	20
n-Butylbenzene	125	116	134	92.6	107	74.2-134			14.3	20
sec-Butylbenzene	125	123	127	98.4	102	77.8-129			3.10	20
tert-Butylbenzene	125	109	123	87.1	98.5	77.2-129			12.3	20
Carbon disulfide	125	120	126	96.1	101	49.9-136			4.68	20
Carbon tetrachloride	125	139	142	111	113	69.4-129			2.04	20
Chlorobenzene	125	131	138	105	110	78.9-122			5.19	20
Chlorodibromomethane	125	129	134	103	107	76.4-126			3.86	20

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

(LCS) R3329296-1 07/28/18 08:47 • (LCSD) R3329296-2 07/28/18 09:06

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	117	119	93.2	95.5	47.2-147			2.36	20
Chloroform	125	121	141	96.7	112	73.3-122			15.0	20
Chloromethane	125	155	168	124	134	53.1-135			8.31	20
1,2-Dibromo-3-Chloropropane	125	129	131	103	105	64.9-131			1.30	20
1,2-Dichlorobenzene	125	122	133	97.8	106	83.6-119			8.36	20
1,3-Dichlorobenzene	125	120	134	95.8	107	75.9-129			11.0	20
1,2-Dibromoethane	125	122	126	97.7	101	78.7-123			3.43	20
1,4-Dichlorobenzene	125	115	121	91.8	96.5	81.0-115			5.01	20
Dichlorodifluoromethane	125	199	184	159	147	50.9-139	J4	J4	7.62	20
1,1-Dichloroethane	125	112	123	89.7	98.1	71.7-125			8.95	20
1,1-Dichloroethene	125	124	130	99.3	104	60.6-133			4.98	20
cis-1,2-Dichloroethene	125	108	121	86.2	96.5	76.1-121			11.3	20
trans-1,2-Dichloroethene	125	120	128	95.8	103	70.7-124			7.02	20
1,2-Dichloroethane	125	138	147	110	118	67.2-121			6.59	20
cis-1,3-Dichloropropene	125	132	141	105	113	77.3-123			6.77	20
trans-1,3-Dichloropropene	125	136	146	109	117	73.0-127			7.25	20
2-Hexanone	625	665	713	106	114	62.7-150			6.95	20
Ethylbenzene	125	112	124	89.4	99.3	78.6-124			10.6	20
Isopropylbenzene	125	115	128	91.7	102	79.4-126			10.8	20
p-Isopropyltoluene	125	118	131	94.5	105	75.4-132			10.7	20
2-Butanone (MEK)	625	902	929	144	149	44.5-154			2.93	21.3
Methylene Chloride	125	101	111	80.7	89.2	68.2-119			10.0	20
4-Methyl-2-pentanone (MIBK)	625	755	767	121	123	61.1-138			1.55	20
Methyl tert-butyl ether	125	114	119	91.0	95.2	70.2-122			4.55	20
n-Propylbenzene	125	112	124	89.5	99.4	80.2-124			10.4	20
Styrene	125	123	132	98.4	106	79.4-124			7.20	20
1,1,2,2-Tetrachloroethane	125	123	129	98.6	103	78.8-124			4.78	20
Naphthalene	125	114	126	90.8	101	69.9-132			10.5	20
1,1,2-Trichlorotrifluoroethane	125	122	117	97.7	93.8	62.6-138			4.05	20
1,2,3-Trichlorobenzene	125	115	143	92.0	114	72.5-137		J3	21.8	20
1,2,4-Trichlorobenzene	125	113	132	90.4	106	74.0-137			15.7	20
1,1,1-Trichloroethane	125	125	138	100	110	69.9-127			9.65	20
1,1,2-Trichloroethane	125	134	136	108	108	81.9-119			0.819	20
Toluene	125	114	120	91.0	95.9	76.7-116			5.22	20
Trichloroethene	125	122	127	97.3	101	77.2-122			4.05	20
Trichlorofluoromethane	125	137	141	110	113	51.5-151			2.92	20
1,2,4-Trimethylbenzene	125	116	130	92.9	104	77.1-124			11.1	20
1,3,5-Trimethylbenzene	125	124	133	98.9	106	79.0-125			7.15	20
Vinyl chloride	125	117	123	93.4	98.3	58.4-134			5.12	20
o-Xylene	125	107	114	85.7	90.8	78.5-124			5.76	20

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

(LCS) R3329296-1 07/28/18 08:47 • (LCSD) R3329296-2 07/28/18 09:06

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 %
m&p-Xylenes	250	234	253	93.7	101	77.3-124			7.47	20
(S) a,a,a-Trifluorotoluene				*100*	*99.9*	*80.0-120*				
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) Dibromofluoromethane				*93.6*	*95.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*100*	*100*	*64.0-132*				

L1011424-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1011424-07 07/28/18 16:01 • (MS) R3329296-4 07/28/18 17:37 • (MSD) R3329296-5 07/28/18 17:56

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 %
Acetone	717	ND	813	754	113	105	1	10.0-130			7.47	31.5
Bromodichloromethane	143	ND	95.4	140	66.6	97.9	1	50.6-128		J3	38.1	22.8
Bromochloromethane	143	ND	76.5	118	53.4	82.5	1	62.9-126	J6	J3	42.8	20
Bromoform	143	ND	131	146	91.4	102	1	43.3-139			11.2	25.9
Bromomethane	143	ND	43.8	83.6	30.6	58.3	1	5.00-189		J3	62.4	26.7
n-Butylbenzene	143	ND	66.9	143	46.7	99.7	1	23.6-146		J3	72.4	39.2
sec-Butylbenzene	143	ND	61.0	138	42.6	96.0	1	31.0-142		J3	77.1	34.7
Benzene	143	ND	60.0	119	41.9	82.7	1	47.8-131	J6	J3	65.6	22.8
tert-Butylbenzene	143	ND	58.0	130	40.5	90.6	1	36.9-142		J3	76.4	31.7
Carbon disulfide	143	ND	22.0	58.8	15.4	41.0	1	21.2-135	J6	J3	91.0	23.8
Carbon tetrachloride	143	ND	59.1	145	41.2	101	1	46.0-140	J6	J3	84.0	27.2
Chlorobenzene	143	ND	78.2	138	54.6	96.1	1	44.1-134		J3	55.1	25.7
Chlorodibromomethane	143	ND	100	135	70.0	94.0	1	49.7-134		J3	29.2	24
Chloroethane	143	ND	40.1	70.6	28.0	49.2	1	5.00-164		J3	55.0	28.4
Chloroform	143	ND	80.4	145	56.1	101	1	51.2-133		J3	57.3	22.8
Chloromethane	143	ND	46.2	114	32.2	79.3	1	31.4-141		J3	84.5	24.6
1,2-Dibromo-3-Chloropropane	143	ND	126	131	88.1	91.7	1	40.4-138			3.98	30.8
1,2-Dichlorobenzene	143	ND	102	149	70.8	104	1	34.6-139		J3	37.6	29.9
1,3-Dichlorobenzene	143	ND	90.2	140	62.9	97.9	1	28.4-142		J3	43.5	31.2
1,4-Dichlorobenzene	143	ND	90.9	134	63.4	93.5	1	35.0-133		J3	38.4	31.1
Dichlorodifluoromethane	143	ND	52.6	160	36.7	112	1	31.2-144		J3	101	30.2
1,1-Dichloroethane	143	ND	65.2	134	45.5	93.5	1	49.1-136	J6	J3	69.0	22.9
1,1-Dichloroethene	143	ND	48.8	127	34.1	88.4	1	36.1-142	J6	J3	88.7	25.6
1,2-Dibromoethane	143	ND	102	130	71.0	91.0	1	50.2-133		J3	24.7	23.6
cis-1,2-Dichloroethene	143	ND	68.5	120	47.8	83.6	1	50.6-133	J6	J3	54.5	23
trans-1,2-Dichloroethene	143	ND	50.4	124	35.2	86.2	1	43.8-135	J6	J3	84.1	24.8
cis-1,3-Dichloropropene	143	ND	92.2	143	64.3	100	1	48.4-134		J3	43.5	23.6
trans-1,3-Dichloropropene	143	ND	110	159	76.4	111	1	46.6-135		J3	36.6	25.3

L1011424-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1011424-07 07/28/18 16:01 • (MS) R3329296-4 07/28/18 17:37 • (MSD) R3329296-5 07/28/18 17:56

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 %
1,2-Dichloroethane	143	ND	110	134	76.6	93.5	1	47.1-129			19.9	22.7
2-Hexanone	717	ND	647	688	90.3	96.0	1	44.3-157			6.17	23.7
Isopropylbenzene	143	ND	60.3	138	42.1	96.5	1	41.9-139		J3	78.5	29.3
p-Isopropyltoluene	143	ND	61.0	137	42.6	95.3	1	27.3-146		J3	76.5	35.1
2-Butanone (MEK)	717	ND	1140	1020	159	143	1	23.9-170			10.4	28.3
Ethylbenzene	143	ND	58.2	118	40.6	82.3	1	44.8-135	J6	J3	67.9	26.9
Methylene Chloride	143	ND	74.6	124	52.0	86.5	1	46.7-125		J3	49.8	22.2
4-Methyl-2-pentanone (MIBK)	717	ND	793	861	111	120	1	42.4-146			8.22	26.7
n-Propylbenzene	143	ND	59.4	134	41.5	93.5	1	35.2-139		J3	77.1	31.9
Styrene	143	ND	85.0	142	59.3	99.2	1	39.7-137		J3	50.3	28.2
1,1,2,2-Tetrachloroethane	143	ND	135	137	94.2	95.7	1	45.7-140			1.55	26.4
Methyl tert-butyl ether	143	ND	94.3	113	65.8	78.6	1	50.4-131			17.6	24.8
1,1,2-Trichlorotrifluoroethane	143	ND	46.1	124	32.2	86.8	1	35.7-146	J6	J3	91.8	28.8
1,2,3-Trichlorobenzene	143	ND	103	152	72.0	106	1	10.0-150			38.5	38.5
1,2,4-Trichlorobenzene	143	ND	94.4	137	65.9	95.3	1	10.0-153			36.5	39.3
Naphthalene	143	ND	128	137	85.9	92.5	1	18.4-145			7.20	34
1,1,1-Trichloroethane	143	ND	55.9	140	39.0	97.8	1	49.0-138	J6	J3	85.9	25.3
1,1,2-Trichloroethane	143	ND	120	148	83.7	103	1	52.3-132			21.1	23.4
Trichloroethene	143	24.5	159	227	94.1	141	1	48.0-132		J3 J5	34.8	24.8
Trichlorofluoromethane	143	ND	32.1	102	22.4	71.0	1	12.8-169		J3	104	29.7
1,2,4-Trimethylbenzene	143	ND	67.8	134	47.3	93.7	1	32.9-139		J3	65.8	30.6
1,3,5-Trimethylbenzene	143	ND	66.5	140	46.4	98.0	1	37.1-138		J3	71.5	30.6
Toluene	143	ND	62.6	126	42.6	87.1	1	47.8-127	J6	J3	67.4	24.3
Vinyl chloride	143	ND	35.6	95.2	24.9	66.4	1	32.0-146	J6	J3	91.0	26.3
o-Xylene	143	ND	59.8	113	41.7	78.5	1	43.2-136	J6	J3	61.2	26.2
m&p-Xylenes	287	ND	113	240	39.3	83.6	1	42.2-134	J6	J3	72.0	27.1
(S) a,a,a-Trifluorotoluene					*96.6*	*97.0*		*80.0-120*				
(S) Toluene-d8					*99.9*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*95.8*	*93.2*		*74.0-131*				
(S) 4-Bromofluorobenzene					*101*	*99.5*		*64.0-132*				

Method Blank (MB)

(MB) R3329402-3 07/29/18 15:37

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
1,2-Dichloropropane	U		1.27	5.00
Methyl Acetate	U		2.10	5.00
Tetrachloroethene	U		0.700	2.50
(S) Toluene-d8	*117*			*80.0-120*
(S) Dibromofluoromethane	*94.4*			*74.0-131*
(S) a,a,a-Trifluorotoluene	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*

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

(LCS) R3329402-1 07/29/18 14:18 • (LCSD) R3329402-2 07/29/18 14:38

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 %
1,2-Dichloropropane	125	129	129	104	103	76.9-123			0.0888	20
Tetrachloroethene	125	136	133	109	106	71.1-133			2.39	20
Methyl Acetate	625	702	776	112	124	70.0-130			10.0	20
(S) Toluene-d8				*111*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*96.1*	*97.9*	*74.0-131*				
(S) a,a,a-Trifluorotoluene				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.5*	*93.9*	*64.0-132*				

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace National 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 Pace National.

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

Pace National 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. Pace National performs all testing at our central laboratory.

LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Pres Chk

Report to: mmarrash@labellapc.com
Email To: mmarrash@labellapc.com

Project Description: 872 Hudson Ave
City/State Collected: NY

Phone: 585-454-6110
Fax:

Client Project # 2181763
Lab Project #

Collected by (print): Mike Marrash
Site/Facility ID #
P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCL + CP51 VOCs 8260										Remarks	Sample # (lab only)
SB-11	Grab	SS	6'	7/16/18	0930	1	X											-01
SB-12			18.5		1030	1	X											-02
SB-13			20		1130	1	X											-03
SB-14			13'		1230	1	X											-04
SB-15			13'	↓	1330	1	X											-05
SB-16			8'	7/13/18	1030	1	X											-06
SB-17	↓	↓	7'	7/13/18	1330	1	X											-07

Chain of Custody Page ___ of ___

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1011424
Table # C129

Acctnum: LABRNY
Template:
Prelogin:
TSR: 364 - T. Alan Harvill
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✗ FedEx __ Courier __ _____

Tracking # 7474 0920 1724

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/19/18		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 2.3 °C Bottles Received: 21

Date: 7/21/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 30, 2018

LaBella Associates, P.C.

Sample Delivery Group:	L1011842
Samples Received:	07/21/2018
Project Number:	2181763
Description:	872 Hudson Ave.

Report To: Mr. Mike Marrash
300 State Street, Suite 201
Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Project Manager

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 Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

MWSB-11 L1011842-01 GW

Collected by: Mike Marrash | Collected date/time: 07/17/18 10:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	1	07/25/18 00:36	07/25/18 00:36	RAS

MWSB-12 L1011842-02 GW

Collected by: Mike Marrash | Collected date/time: 07/17/18 11:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	2	07/25/18 00:55	07/25/18 00:55	RAS

MWSB-13 L1011842-03 GW

Collected by: Mike Marrash | Collected date/time: 07/17/18 12:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	1	07/25/18 01:15	07/25/18 01:15	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1143818	10	07/27/18 03:38	07/27/18 03:38	RAS

MWSB-14 L1011842-04 GW

Collected by: Mike Marrash | Collected date/time: 07/18/18 13:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	50	07/25/18 01:34	07/25/18 01:34	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1143818	2000	07/27/18 03:58	07/27/18 03:58	RAS

MWSB-15 L1011842-05 GW

Collected by: Mike Marrash | Collected date/time: 07/18/18 14:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	1	07/25/18 01:54	07/25/18 01:54	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1143818	50	07/27/18 04:18	07/27/18 04:18	RAS

MWSB-16 L1011842-06 GW

Collected by: Mike Marrash | Collected date/time: 07/18/18 15:00 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	1	07/25/18 02:13	07/25/18 02:13	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1143818	20	07/27/18 04:38	07/27/18 04:38	RAS

MWSB-07 L1011842-07 GW

Collected by: Mike Marrash | Collected date/time: 07/18/18 15:30 | Received date/time: 07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1142595	1	07/25/18 02:33	07/25/18 02:33	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1143818	500	07/27/18 04:58	07/27/18 04:58	RAS

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
Project Manager

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/25/2018 00:36	WG1142595
Benzene	ND		1.00	1	07/25/2018 00:36	WG1142595
Bromochloromethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Bromodichloromethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Bromoform	ND		1.00	1	07/25/2018 00:36	WG1142595
Bromomethane	ND	J0	5.00	1	07/25/2018 00:36	WG1142595
Carbon disulfide	ND		1.00	1	07/25/2018 00:36	WG1142595
Carbon tetrachloride	ND		1.00	1	07/25/2018 00:36	WG1142595
Chlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
Chlorodibromomethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Chloroethane	ND		5.00	1	07/25/2018 00:36	WG1142595
Chloroform	ND		5.00	1	07/25/2018 00:36	WG1142595
Chloromethane	ND		2.50	1	07/25/2018 00:36	WG1142595
Cyclohexane	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/25/2018 00:36	WG1142595
1,2-Dibromoethane	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2-Dichlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,3-Dichlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,4-Dichlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
Dichlorodifluoromethane	ND		5.00	1	07/25/2018 00:36	WG1142595
1,1-Dichloroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2-Dichloroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
1,1-Dichloroethene	ND		1.00	1	07/25/2018 00:36	WG1142595
cis-1,2-Dichloroethene	2.62		1.00	1	07/25/2018 00:36	WG1142595
trans-1,2-Dichloroethene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2-Dichloropropane	ND		1.00	1	07/25/2018 00:36	WG1142595
cis-1,3-Dichloropropene	ND		1.00	1	07/25/2018 00:36	WG1142595
trans-1,3-Dichloropropene	ND		1.00	1	07/25/2018 00:36	WG1142595
Ethylbenzene	2.20		1.00	1	07/25/2018 00:36	WG1142595
2-Hexanone	ND		10.0	1	07/25/2018 00:36	WG1142595
Isopropylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
2-Butanone (MEK)	ND		10.0	1	07/25/2018 00:36	WG1142595
Methyl Acetate	ND		20.0	1	07/25/2018 00:36	WG1142595
Methyl Cyclohexane	ND		1.00	1	07/25/2018 00:36	WG1142595
Methylene Chloride	ND		5.00	1	07/25/2018 00:36	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/25/2018 00:36	WG1142595
Methyl tert-butyl ether	ND		1.00	1	07/25/2018 00:36	WG1142595
Naphthalene	ND		5.00	1	07/25/2018 00:36	WG1142595
Styrene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Tetrachloroethene	ND		1.00	1	07/25/2018 00:36	WG1142595
Toluene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2,3-Trichlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2,4-Trichlorobenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,1,1-Trichloroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
1,1,2-Trichloroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Trichloroethene	2.95		1.00	1	07/25/2018 00:36	WG1142595
Trichlorofluoromethane	ND		5.00	1	07/25/2018 00:36	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/25/2018 00:36	WG1142595
Vinyl chloride	ND		1.00	1	07/25/2018 00:36	WG1142595
o-Xylene	3.90		1.00	1	07/25/2018 00:36	WG1142595
m&p-Xylenes	9.26		2.00	1	07/25/2018 00:36	WG1142595
n-Butylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
sec-Butylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
tert-Butylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
1,2,4-Trimethylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
n-Propylbenzene	ND		1.00	1	07/25/2018 00:36	WG1142595
p-Isopropyltoluene	ND		1.00	1	07/25/2018 00:36	WG1142595
(S) Toluene-d8	*103*		*80.0-120*		*07/25/2018 00:36*	WG1142595
(S) Dibromofluoromethane	*99.4*		*76.0-123*		*07/25/2018 00:36*	WG1142595
(S) a,a,a-Trifluorotoluene	*106*		*80.0-120*		*07/25/2018 00:36*	WG1142595
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*07/25/2018 00:36*	WG1142595

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		100	2	07/25/2018 00:55	WG1142595
Benzene	ND		2.00	2	07/25/2018 00:55	WG1142595
Bromochloromethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Bromodichloromethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Bromoform	ND		2.00	2	07/25/2018 00:55	WG1142595
Bromomethane	ND	J0	10.0	2	07/25/2018 00:55	WG1142595
Carbon disulfide	ND		2.00	2	07/25/2018 00:55	WG1142595
Carbon tetrachloride	ND		2.00	2	07/25/2018 00:55	WG1142595
Chlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
Chlorodibromomethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Chloroethane	ND		10.0	2	07/25/2018 00:55	WG1142595
Chloroform	ND		10.0	2	07/25/2018 00:55	WG1142595
Chloromethane	ND		5.00	2	07/25/2018 00:55	WG1142595
Cyclohexane	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2-Dibromo-3-Chloropropane	ND		10.0	2	07/25/2018 00:55	WG1142595
1,2-Dibromoethane	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2-Dichlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,3-Dichlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,4-Dichlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
Dichlorodifluoromethane	ND		10.0	2	07/25/2018 00:55	WG1142595
1,1-Dichloroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2-Dichloroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
1,1-Dichloroethene	ND		2.00	2	07/25/2018 00:55	WG1142595
cis-1,2-Dichloroethene	19.2		2.00	2	07/25/2018 00:55	WG1142595
trans-1,2-Dichloroethene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2-Dichloropropane	ND		2.00	2	07/25/2018 00:55	WG1142595
cis-1,3-Dichloropropene	ND		2.00	2	07/25/2018 00:55	WG1142595
trans-1,3-Dichloropropene	ND		2.00	2	07/25/2018 00:55	WG1142595
Ethylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
2-Hexanone	ND		20.0	2	07/25/2018 00:55	WG1142595
Isopropylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
2-Butanone (MEK)	68.7		20.0	2	07/25/2018 00:55	WG1142595
Methyl Acetate	ND		40.0	2	07/25/2018 00:55	WG1142595
Methyl Cyclohexane	ND		2.00	2	07/25/2018 00:55	WG1142595
Methylene Chloride	ND		10.0	2	07/25/2018 00:55	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		20.0	2	07/25/2018 00:55	WG1142595
Methyl tert-butyl ether	ND		2.00	2	07/25/2018 00:55	WG1142595
Naphthalene	ND		10.0	2	07/25/2018 00:55	WG1142595
Styrene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,1,2,2-Tetrachloroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Tetrachloroethene	ND		2.00	2	07/25/2018 00:55	WG1142595
Toluene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2,3-Trichlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2,4-Trichlorobenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,1,1-Trichloroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
1,1,2-Trichloroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Trichloroethene	7.63		2.00	2	07/25/2018 00:55	WG1142595
Trichlorofluoromethane	ND		10.0	2	07/25/2018 00:55	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		2.00	2	07/25/2018 00:55	WG1142595
Vinyl chloride	ND		2.00	2	07/25/2018 00:55	WG1142595
o-Xylene	ND		2.00	2	07/25/2018 00:55	WG1142595
m&p-Xylenes	ND		4.00	2	07/25/2018 00:55	WG1142595
n-Butylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
sec-Butylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
tert-Butylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
1,2,4-Trimethylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
n-Propylbenzene	ND		2.00	2	07/25/2018 00:55	WG1142595
p-Isopropyltoluene	ND		2.00	2	07/25/2018 00:55	WG1142595
(S) Toluene-d8	*106*		*80.0-120*		*07/25/2018 00:55*	WG1142595
(S) Dibromofluoromethane	*96.0*		*76.0-123*		*07/25/2018 00:55*	WG1142595
(S) a,a,a-Trifluorotoluene	*107*		*80.0-120*		*07/25/2018 00:55*	WG1142595
(S) 4-Bromofluorobenzene	*99.4*		*80.0-120*		*07/25/2018 00:55*	WG1142595

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/25/2018 01:15	WG1142595
Benzene	ND		1.00	1	07/25/2018 01:15	WG1142595
Bromochloromethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Bromodichloromethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Bromoform	ND		1.00	1	07/25/2018 01:15	WG1142595
Bromomethane	ND	J0	5.00	1	07/25/2018 01:15	WG1142595
Carbon disulfide	ND		1.00	1	07/25/2018 01:15	WG1142595
Carbon tetrachloride	ND		1.00	1	07/25/2018 01:15	WG1142595
Chlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
Chlorodibromomethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Chloroethane	ND		5.00	1	07/25/2018 01:15	WG1142595
Chloroform	ND		5.00	1	07/25/2018 01:15	WG1142595
Chloromethane	ND		2.50	1	07/25/2018 01:15	WG1142595
Cyclohexane	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/25/2018 01:15	WG1142595
1,2-Dibromoethane	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2-Dichlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,3-Dichlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,4-Dichlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
Dichlorodifluoromethane	ND		5.00	1	07/25/2018 01:15	WG1142595
1,1-Dichloroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2-Dichloroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
1,1-Dichloroethene	ND		1.00	1	07/25/2018 01:15	WG1142595
cis-1,2-Dichloroethene	ND		1.00	1	07/25/2018 01:15	WG1142595
trans-1,2-Dichloroethene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2-Dichloropropane	ND		1.00	1	07/25/2018 01:15	WG1142595
cis-1,3-Dichloropropene	ND		1.00	1	07/25/2018 01:15	WG1142595
trans-1,3-Dichloropropene	ND		1.00	1	07/25/2018 01:15	WG1142595
Ethylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
2-Hexanone	ND		10.0	1	07/25/2018 01:15	WG1142595
Isopropylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
2-Butanone (MEK)	ND		10.0	1	07/25/2018 01:15	WG1142595
Methyl Acetate	ND		20.0	1	07/25/2018 01:15	WG1142595
Methyl Cyclohexane	ND		1.00	1	07/25/2018 01:15	WG1142595
Methylene Chloride	ND		5.00	1	07/25/2018 01:15	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/25/2018 01:15	WG1142595
Methyl tert-butyl ether	ND		1.00	1	07/25/2018 01:15	WG1142595
Naphthalene	ND		5.00	1	07/25/2018 01:15	WG1142595
Styrene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Tetrachloroethene	15.6		1.00	1	07/25/2018 01:15	WG1142595
Toluene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2,3-Trichlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2,4-Trichlorobenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,1,1-Trichloroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
1,1,2-Trichloroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Trichloroethene	275		10.0	10	07/27/2018 03:38	WG1143818
Trichlorofluoromethane	ND		5.00	1	07/25/2018 01:15	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/25/2018 01:15	WG1142595
Vinyl chloride	ND		1.00	1	07/25/2018 01:15	WG1142595
o-Xylene	1.01		1.00	1	07/25/2018 01:15	WG1142595
m&p-Xylenes	2.39		2.00	1	07/25/2018 01:15	WG1142595
n-Butylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
sec-Butylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
tert-Butylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
1,2,4-Trimethylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
n-Propylbenzene	ND		1.00	1	07/25/2018 01:15	WG1142595
p-Isopropyltoluene	ND		1.00	1	07/25/2018 01:15	WG1142595
(S) Toluene-d8	*104*		*80.0-120*		*07/25/2018 01:15*	WG1142595
(S) Toluene-d8	*105*		*80.0-120*		*07/27/2018 03:38*	WG1143818
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*07/25/2018 01:15*	WG1142595
(S) Dibromofluoromethane	*88.2*		*76.0-123*		*07/27/2018 03:38*	WG1143818
(S) a,a,a-Trifluorotoluene	*109*		*80.0-120*		*07/25/2018 01:15*	WG1142595
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*07/27/2018 03:38*	WG1143818
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*07/25/2018 01:15*	WG1142595
(S) 4-Bromofluorobenzene	*98.7*		*80.0-120*		*07/27/2018 03:38*	WG1143818

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		2500	50	07/25/2018 01:34	WG1142595
Benzene	ND		50.0	50	07/25/2018 01:34	WG1142595
Bromochloromethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Bromodichloromethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Bromoform	ND		50.0	50	07/25/2018 01:34	WG1142595
Bromomethane	ND	J0	250	50	07/25/2018 01:34	WG1142595
Carbon disulfide	ND		50.0	50	07/25/2018 01:34	WG1142595
Carbon tetrachloride	ND		50.0	50	07/25/2018 01:34	WG1142595
Chlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
Chlorodibromomethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Chloroethane	ND		250	50	07/25/2018 01:34	WG1142595
Chloroform	ND		250	50	07/25/2018 01:34	WG1142595
Chloromethane	ND		125	50	07/25/2018 01:34	WG1142595
Cyclohexane	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2-Dibromo-3-Chloropropane	ND		250	50	07/25/2018 01:34	WG1142595
1,2-Dibromoethane	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2-Dichlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,3-Dichlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,4-Dichlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
Dichlorodifluoromethane	ND		250	50	07/25/2018 01:34	WG1142595
1,1-Dichloroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2-Dichloroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
1,1-Dichloroethene	ND		50.0	50	07/25/2018 01:34	WG1142595
cis-1,2-Dichloroethene	133		50.0	50	07/25/2018 01:34	WG1142595
trans-1,2-Dichloroethene	70.9		50.0	50	07/25/2018 01:34	WG1142595
1,2-Dichloropropane	ND		50.0	50	07/25/2018 01:34	WG1142595
cis-1,3-Dichloropropene	ND		50.0	50	07/25/2018 01:34	WG1142595
trans-1,3-Dichloropropene	ND		50.0	50	07/25/2018 01:34	WG1142595
Ethylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
2-Hexanone	ND		500	50	07/25/2018 01:34	WG1142595
Isopropylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
2-Butanone (MEK)	ND		500	50	07/25/2018 01:34	WG1142595
Methyl Acetate	ND		1000	50	07/25/2018 01:34	WG1142595
Methyl Cyclohexane	ND		50.0	50	07/25/2018 01:34	WG1142595
Methylene Chloride	ND		250	50	07/25/2018 01:34	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		500	50	07/25/2018 01:34	WG1142595
Methyl tert-butyl ether	ND		50.0	50	07/25/2018 01:34	WG1142595
Naphthalene	ND		250	50	07/25/2018 01:34	WG1142595
Styrene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,1,2,2-Tetrachloroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Tetrachloroethene	2270		50.0	50	07/25/2018 01:34	WG1142595
Toluene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2,3-Trichlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2,4-Trichlorobenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,1,1-Trichloroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
1,1,2-Trichloroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Trichloroethene	82900		2000	2000	07/27/2018 03:58	WG1143818
Trichlorofluoromethane	ND		250	50	07/25/2018 01:34	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		50.0	50	07/25/2018 01:34	WG1142595
Vinyl chloride	ND		50.0	50	07/25/2018 01:34	WG1142595
o-Xylene	ND		50.0	50	07/25/2018 01:34	WG1142595
m&p-Xylenes	ND		100	50	07/25/2018 01:34	WG1142595
n-Butylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
sec-Butylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
tert-Butylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
1,2,4-Trimethylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
n-Propylbenzene	ND		50.0	50	07/25/2018 01:34	WG1142595
p-Isopropyltoluene	ND		50.0	50	07/25/2018 01:34	WG1142595
(S) Toluene-d8	*104*		*80.0-120*		*07/25/2018 01:34*	WG1142595
(S) Toluene-d8	*110*		*80.0-120*		*07/27/2018 03:58*	WG1143818
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*07/25/2018 01:34*	WG1142595
(S) Dibromofluoromethane	*90.8*		*76.0-123*		*07/27/2018 03:58*	WG1143818
(S) a,a,a-Trifluorotoluene	*120*		*80.0-120*		*07/25/2018 01:34*	WG1142595
(S) a,a,a-Trifluorotoluene	*108*		*80.0-120*		*07/27/2018 03:58*	WG1143818
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*07/25/2018 01:34*	WG1142595
(S) 4-Bromofluorobenzene	*93.0*		*80.0-120*		*07/27/2018 03:58*	WG1143818

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/25/2018 01:54	WG1142595
Benzene	ND		1.00	1	07/25/2018 01:54	WG1142595
Bromochloromethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Bromodichloromethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Bromoform	ND		1.00	1	07/25/2018 01:54	WG1142595
Bromomethane	ND	J0	5.00	1	07/25/2018 01:54	WG1142595
Carbon disulfide	ND		1.00	1	07/25/2018 01:54	WG1142595
Carbon tetrachloride	ND		1.00	1	07/25/2018 01:54	WG1142595
Chlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
Chlorodibromomethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Chloroethane	ND		5.00	1	07/25/2018 01:54	WG1142595
Chloroform	ND		5.00	1	07/25/2018 01:54	WG1142595
Chloromethane	ND		2.50	1	07/25/2018 01:54	WG1142595
Cyclohexane	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/25/2018 01:54	WG1142595
1,2-Dibromoethane	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2-Dichlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,3-Dichlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,4-Dichlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
Dichlorodifluoromethane	ND		5.00	1	07/25/2018 01:54	WG1142595
1,1-Dichloroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2-Dichloroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
1,1-Dichloroethene	7.57		1.00	1	07/25/2018 01:54	WG1142595
cis-1,2-Dichloroethene	166		50.0	50	07/27/2018 04:18	WG1143818
trans-1,2-Dichloroethene	77.9		50.0	50	07/27/2018 04:18	WG1143818
1,2-Dichloropropane	ND		1.00	1	07/25/2018 01:54	WG1142595
cis-1,3-Dichloropropene	ND		1.00	1	07/25/2018 01:54	WG1142595
trans-1,3-Dichloropropene	ND		1.00	1	07/25/2018 01:54	WG1142595
Ethylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
2-Hexanone	ND		10.0	1	07/25/2018 01:54	WG1142595
Isopropylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
2-Butanone (MEK)	ND		10.0	1	07/25/2018 01:54	WG1142595
Methyl Acetate	ND		20.0	1	07/25/2018 01:54	WG1142595
Methyl Cyclohexane	ND		1.00	1	07/25/2018 01:54	WG1142595
Methylene Chloride	ND		5.00	1	07/25/2018 01:54	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/25/2018 01:54	WG1142595
Methyl tert-butyl ether	ND		1.00	1	07/25/2018 01:54	WG1142595
Naphthalene	ND		5.00	1	07/25/2018 01:54	WG1142595
Styrene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Tetrachloroethene	5.14		1.00	1	07/25/2018 01:54	WG1142595
Toluene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2,3-Trichlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2,4-Trichlorobenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,1,1-Trichloroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
1,1,2-Trichloroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Trichloroethene	1200		50.0	50	07/27/2018 04:18	WG1143818
Trichlorofluoromethane	ND		5.00	1	07/25/2018 01:54	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/25/2018 01:54	WG1142595
Vinyl chloride	8.15		1.00	1	07/25/2018 01:54	WG1142595
o-Xylene	ND		1.00	1	07/25/2018 01:54	WG1142595
m&p-Xylenes	ND		2.00	1	07/25/2018 01:54	WG1142595
n-Butylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
sec-Butylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
tert-Butylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
1,2,4-Trimethylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
n-Propylbenzene	ND		1.00	1	07/25/2018 01:54	WG1142595
p-Isopropyltoluene	ND		1.00	1	07/25/2018 01:54	WG1142595
(S) Toluene-d8	*105*		*80.0-120*		*07/25/2018 01:54*	WG1142595
(S) Toluene-d8	*106*		*80.0-120*		*07/27/2018 04:18*	WG1143818
(S) Dibromofluoromethane	*96.7*		*76.0-123*		*07/25/2018 01:54*	WG1142595
(S) Dibromofluoromethane	*88.8*		*76.0-123*		*07/27/2018 04:18*	WG1143818
(S) a,a,a-Trifluorotoluene	*142*	J1	*80.0-120*		*07/25/2018 01:54*	WG1142595
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*07/27/2018 04:18*	WG1143818
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*07/25/2018 01:54*	WG1142595
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*07/27/2018 04:18*	WG1143818

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/25/2018 02:13	WG1142595
Benzene	ND		1.00	1	07/25/2018 02:13	WG1142595
Bromochloromethane	ND		1.00	1	07/25/2018 02:13	WG1142595
Bromodichloromethane	ND		1.00	1	07/25/2018 02:13	WG1142595
Bromoform	ND		1.00	1	07/25/2018 02:13	WG1142595
Bromomethane	ND	J0	5.00	1	07/25/2018 02:13	WG1142595
Carbon disulfide	ND		1.00	1	07/25/2018 02:13	WG1142595
Carbon tetrachloride	ND		1.00	1	07/25/2018 02:13	WG1142595
Chlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
Chlorodibromomethane	ND		1.00	1	07/25/2018 02:13	WG1142595
Chloroethane	ND		5.00	1	07/25/2018 02:13	WG1142595
Chloroform	8.84		5.00	1	07/25/2018 02:13	WG1142595
Chloromethane	ND		2.50	1	07/25/2018 02:13	WG1142595
Cyclohexane	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/25/2018 02:13	WG1142595
1,2-Dibromoethane	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2-Dichlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,3-Dichlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,4-Dichlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
Dichlorodifluoromethane	ND		5.00	1	07/25/2018 02:13	WG1142595
1,1-Dichloroethane	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2-Dichloroethane	ND		1.00	1	07/25/2018 02:13	WG1142595
1,1-Dichloroethene	ND		1.00	1	07/25/2018 02:13	WG1142595
cis-1,2-Dichloroethene	46.3		1.00	1	07/25/2018 02:13	WG1142595
trans-1,2-Dichloroethene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2-Dichloropropane	ND		1.00	1	07/25/2018 02:13	WG1142595
cis-1,3-Dichloropropene	ND		1.00	1	07/25/2018 02:13	WG1142595
trans-1,3-Dichloropropene	ND		1.00	1	07/25/2018 02:13	WG1142595
Ethylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
2-Hexanone	ND		10.0	1	07/25/2018 02:13	WG1142595
Isopropylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
2-Butanone (MEK)	ND		10.0	1	07/25/2018 02:13	WG1142595
Methyl Acetate	ND		20.0	1	07/25/2018 02:13	WG1142595
Methyl Cyclohexane	ND		1.00	1	07/25/2018 02:13	WG1142595
Methylene Chloride	ND		5.00	1	07/25/2018 02:13	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/25/2018 02:13	WG1142595
Methyl tert-butyl ether	ND		1.00	1	07/25/2018 02:13	WG1142595
Naphthalene	ND		5.00	1	07/25/2018 02:13	WG1142595
Styrene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/25/2018 02:13	WG1142595
Tetrachloroethene	64.4		1.00	1	07/25/2018 02:13	WG1142595
Toluene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2,3-Trichlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2,4-Trichlorobenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,1,1-Trichloroethane	ND		1.00	1	07/25/2018 02:13	WG1142595
1,1,2-Trichloroethane	1.89		1.00	1	07/25/2018 02:13	WG1142595
Trichloroethene	428		20.0	20	07/27/2018 04:38	WG1143818
Trichlorofluoromethane	ND		5.00	1	07/25/2018 02:13	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/25/2018 02:13	WG1142595
Vinyl chloride	2.95		1.00	1	07/25/2018 02:13	WG1142595
o-Xylene	ND		1.00	1	07/25/2018 02:13	WG1142595
m&p-Xylenes	ND		2.00	1	07/25/2018 02:13	WG1142595
n-Butylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
sec-Butylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
tert-Butylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
1,2,4-Trimethylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
n-Propylbenzene	ND		1.00	1	07/25/2018 02:13	WG1142595
p-Isopropyltoluene	ND		1.00	1	07/25/2018 02:13	WG1142595
(S) Toluene-d8	*106*		*80.0-120*		*07/25/2018 02:13*	WG1142595
(S) Toluene-d8	*104*		*80.0-120*		*07/27/2018 04:38*	WG1143818
(S) Dibromofluoromethane	*96.8*		*76.0-123*		*07/25/2018 02:13*	WG1142595
(S) Dibromofluoromethane	*91.0*		*76.0-123*		*07/27/2018 04:38*	WG1143818
(S) a,a,a-Trifluorotoluene	*110*		*80.0-120*		*07/25/2018 02:13*	WG1142595
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*07/27/2018 04:38*	WG1143818
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*07/25/2018 02:13*	WG1142595
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*07/27/2018 04:38*	WG1143818

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/25/2018 02:33	WG1142595
Benzene	ND		1.00	1	07/25/2018 02:33	WG1142595
Bromochloromethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Bromodichloromethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Bromoform	ND		1.00	1	07/25/2018 02:33	WG1142595
Bromomethane	ND	J0	5.00	1	07/25/2018 02:33	WG1142595
Carbon disulfide	ND		1.00	1	07/25/2018 02:33	WG1142595
Carbon tetrachloride	ND		1.00	1	07/25/2018 02:33	WG1142595
Chlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
Chlorodibromomethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Chloroethane	ND		5.00	1	07/25/2018 02:33	WG1142595
Chloroform	ND		5.00	1	07/25/2018 02:33	WG1142595
Chloromethane	ND		2.50	1	07/25/2018 02:33	WG1142595
Cyclohexane	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/25/2018 02:33	WG1142595
1,2-Dibromoethane	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2-Dichlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,3-Dichlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,4-Dichlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
Dichlorodifluoromethane	ND		5.00	1	07/25/2018 02:33	WG1142595
1,1-Dichloroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2-Dichloroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
1,1-Dichloroethene	3.87		1.00	1	07/25/2018 02:33	WG1142595
cis-1,2-Dichloroethene	45.0		1.00	1	07/25/2018 02:33	WG1142595
trans-1,2-Dichloroethene	6.08		1.00	1	07/25/2018 02:33	WG1142595
1,2-Dichloropropane	ND		1.00	1	07/25/2018 02:33	WG1142595
cis-1,3-Dichloropropene	ND		1.00	1	07/25/2018 02:33	WG1142595
trans-1,3-Dichloropropene	ND		1.00	1	07/25/2018 02:33	WG1142595
Ethylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
2-Hexanone	ND		10.0	1	07/25/2018 02:33	WG1142595
Isopropylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
2-Butanone (MEK)	ND		10.0	1	07/25/2018 02:33	WG1142595
Methyl Acetate	ND		20.0	1	07/25/2018 02:33	WG1142595
Methyl Cyclohexane	ND		1.00	1	07/25/2018 02:33	WG1142595
Methylene Chloride	ND		5.00	1	07/25/2018 02:33	WG1142595
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/25/2018 02:33	WG1142595
Methyl tert-butyl ether	ND		1.00	1	07/25/2018 02:33	WG1142595
Naphthalene	ND		5.00	1	07/25/2018 02:33	WG1142595
Styrene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Tetrachloroethene	53.0		1.00	1	07/25/2018 02:33	WG1142595
Toluene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2,3-Trichlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2,4-Trichlorobenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,1,1-Trichloroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
1,1,2-Trichloroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Trichloroethene	10400		500	500	07/27/2018 04:58	WG1143818
Trichlorofluoromethane	ND		5.00	1	07/25/2018 02:33	WG1142595
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/25/2018 02:33	WG1142595
Vinyl chloride	ND		1.00	1	07/25/2018 02:33	WG1142595
o-Xylene	ND		1.00	1	07/25/2018 02:33	WG1142595
m&p-Xylenes	ND		2.00	1	07/25/2018 02:33	WG1142595
n-Butylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
sec-Butylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
tert-Butylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
1,2,4-Trimethylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
n-Propylbenzene	ND		1.00	1	07/25/2018 02:33	WG1142595
p-Isopropyltoluene	ND		1.00	1	07/25/2018 02:33	WG1142595
(S) Toluene-d8	*104*		*80.0-120*		*07/25/2018 02:33*	WG1142595
(S) Toluene-d8	*103*		*80.0-120*		*07/27/2018 04:58*	WG1143818
(S) Dibromofluoromethane	*97.5*		*76.0-123*		*07/25/2018 02:33*	WG1142595
(S) Dibromofluoromethane	*89.2*		*76.0-123*		*07/27/2018 04:58*	WG1143818
(S) a,a,a-Trifluorotoluene	*270*	J1	*80.0-120*		*07/25/2018 02:33*	WG1142595
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*07/27/2018 04:58*	WG1143818
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*07/25/2018 02:33*	WG1142595
(S) 4-Bromofluorobenzene	*95.7*		*80.0-120*		*07/27/2018 04:58*	WG1143818

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3328855-3 07/24/18 20:39

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) R3328855-3 07/24/18 20:39

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	*103*			*80.0-120*
(S) Dibromofluoromethane	*97.2*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

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

(LCS) R3328855-1 07/24/18 19:41 • (LCSD) R3328855-2 07/24/18 20:00

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 %
Acetone	125	108	116	86.6	92.8	10.0-160			6.95	23
Benzene	25.0	25.7	25.2	103	101	69.0-123			1.83	20
Bromodichloromethane	25.0	24.2	24.0	96.7	95.9	76.0-120			0.788	20
Bromochloromethane	25.0	27.4	27.1	110	108	76.0-122			1.31	20
Bromoform	25.0	23.5	23.4	94.0	93.4	67.0-132			0.554	20
Bromomethane	25.0	17.4	17.7	69.5	70.6	18.0-160			1.61	20
n-Butylbenzene	25.0	25.3	25.6	101	102	72.0-126			1.15	20
sec-Butylbenzene	25.0	25.6	25.6	102	102	74.0-121			0.0925	20
tert-Butylbenzene	25.0	26.0	25.9	104	104	75.0-122			0.303	20
Carbon disulfide	25.0	24.5	24.1	98.0	96.5	55.0-127			1.59	20

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

(LCS) R3328855-1 07/24/18 19:41 • (LCSD) R3328855-2 07/24/18 20:00

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 %
Carbon tetrachloride	25.0	25.0	25.0	99.9	100	63.0-122			0.133	20
Chlorobenzene	25.0	27.8	27.7	111	111	79.0-121			0.331	20
Chlorodibromomethane	25.0	25.0	25.3	99.8	101	75.0-125			1.26	20
Chloroethane	25.0	23.5	23.0	94.0	91.8	47.0-152			2.30	20
Chloroform	25.0	24.4	23.8	97.6	95.3	72.0-121			2.40	20
Chloromethane	25.0	26.4	26.9	106	108	48.0-139			1.95	20
Cyclohexane	25.0	25.8	26.1	103	104	70.0-130			1.38	20
1,2-Dibromo-3-Chloropropane	25.0	21.0	21.3	84.1	85.2	64.0-127			1.33	20
1,2-Dibromoethane	25.0	26.8	26.4	107	105	77.0-123			1.67	20
1,2-Dichlorobenzene	25.0	25.8	25.5	103	102	80.0-120			1.33	20
1,3-Dichlorobenzene	25.0	24.9	25.1	99.5	100	72.0-123			0.929	20
1,4-Dichlorobenzene	25.0	24.1	24.4	96.4	97.7	77.0-120			1.38	20
Dichlorodifluoromethane	25.0	31.8	33.7	127	135	49.0-155			5.70	20
1,1-Dichloroethane	25.0	26.1	25.4	105	102	70.0-126			2.74	20
1,2-Dichloroethane	25.0	24.8	24.6	99.1	98.2	67.0-126			0.881	20
1,1-Dichloroethene	25.0	26.3	26.6	105	107	64.0-129			1.40	20
cis-1,2-Dichloroethene	25.0	25.2	24.3	101	97.3	73.0-120			3.61	20
trans-1,2-Dichloroethene	25.0	25.5	25.0	102	99.8	71.0-121			2.01	20
1,2-Dichloropropane	25.0	27.9	27.2	112	109	75.0-125			2.45	20
cis-1,3-Dichloropropene	25.0	26.8	26.2	107	105	79.0-123			2.49	20
trans-1,3-Dichloropropene	25.0	27.7	27.3	111	109	74.0-127			1.67	20
Ethylbenzene	25.0	26.4	26.5	106	106	77.0-120			0.412	20
2-Hexanone	125	134	134	107	108	58.0-147			0.580	20
Isopropylbenzene	25.0	25.4	25.4	101	102	75.0-120			0.186	20
p-Isopropyltoluene	25.0	26.1	26.1	104	104	74.0-126			0.105	20
2-Butanone (MEK)	125	124	124	99.3	99.3	37.0-158			0.0145	20
Methyl Acetate	125	127	124	101	99.0	70.0-130			2.27	20
Methyl Cyclohexane	25.0	26.1	25.4	104	102	70.0-130			2.85	20
Methylene Chloride	25.0	23.1	22.8	92.4	91.3	66.0-121			1.10	20
4-Methyl-2-pentanone (MIBK)	125	128	127	102	101	59.0-143			1.12	20
Methyl tert-butyl ether	25.0	23.9	23.6	95.6	94.4	64.0-123			1.33	20
Naphthalene	25.0	19.6	20.3	78.4	81.1	62.0-128			3.39	20
n-Propylbenzene	25.0	25.5	25.5	102	102	79.0-120			0.0528	20
Styrene	25.0	26.1	27.0	104	108	78.0-124			3.49	20
1,1,2,2-Tetrachloroethane	25.0	24.1	23.8	96.2	95.1	71.0-122			1.18	20
Tetrachloroethene	25.0	28.5	27.7	114	111	70.0-127			2.77	20
Toluene	25.0	26.0	25.7	104	103	77.0-120			1.06	20
1,1,2-Trichlorotrifluoroethane	25.0	29.0	28.6	116	114	61.0-136			1.54	20
1,2,3-Trichlorobenzene	25.0	21.1	22.7	84.5	90.8	61.0-133			7.20	20
1,2,4-Trichlorobenzene	25.0	23.2	23.8	92.8	95.1	69.0-129			2.44	20

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

(LCS) R3328855-1 07/24/18 19:41 • (LCSD) R3328855-2 07/24/18 20:00

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 %
1,1,1-Trichloroethane	25.0	25.3	25.2	101	101	68.0-122			0.306	20
1,1,2-Trichloroethane	25.0	25.4	24.9	102	99.6	78.0-120			1.99	20
Trichloroethene	25.0	27.6	27.0	110	108	78.0-120			1.97	20
Trichlorofluoromethane	25.0	27.2	27.3	109	109	56.0-137			0.330	20
1,2,4-Trimethylbenzene	25.0	24.3	24.0	97.1	95.9	75.0-120			1.23	20
1,3,5-Trimethylbenzene	25.0	25.5	25.1	102	100	75.0-120			1.59	20
Vinyl chloride	25.0	25.7	25.7	103	103	64.0-133			0.109	20
o-Xylene	25.0	25.8	25.6	103	102	78.0-120			0.942	20
m&p-Xylenes	50.0	52.2	51.4	104	103	77.0-120			1.51	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) Dibromofluoromethane				*95.5*	*94.6*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*103*	*80.0-120*				

Method Blank (MB)

(MB) R3329012-4 07/26/18 22:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
Trichloroethene	U		0.398	1.00
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*89.8*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.9*			*80.0-120*

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

(LCS) R3329012-1 07/26/18 20:35 • (LCSD) R3329012-2 07/26/18 20:55

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 %
cis-1,2-Dichloroethene	25.0	22.9	20.9	91.4	83.5	73.0-120			9.08	20
trans-1,2-Dichloroethene	25.0	21.8	20.3	87.1	81.2	71.0-121			7.00	20
Trichloroethene	25.0	23.7	23.2	94.7	92.7	78.0-120			2.15	20
(S) Toluene-d8				*106*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*95.0*	*90.4*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*101*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*92.3*	*92.2*	*80.0-120*				

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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.
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
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

Pace National 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 Pace National.

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

Pace National 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. Pace National performs all testing at our central laboratory.

LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Report to: mmarrash@labellapc.com
Email To: mmarrash@labellapc.com

Project Description: 872 Hudson Ave
City/State Collected: NY

Phone: 585-454-6110
Fax:

Client Project # 2101763
Lab Project #

Collected by (print): Mike Marrash
Site/Facility ID #
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Analysis / Container / Preservative

Pres Chk ✓

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCL+CPSI 8260 VOC										Remarks	Sample # (lab only)
MWSB-11	Grab	GW		7/~~17~~18/18	1000	2	X											-01
MWSB-12				7/17/18	1100	2	X											-02
~~DUP~~ MWSB-13				7/17/18	1200	2	X											-03
MWSB-14				7/18/18	1300	2	X											-04
MWSB-15				7/18/18	1400	2	X											-05
MWSB-16				7/18/18	1500	2	X											-06
MWSB-07				7/18/18	1530	2	X											-07

Chain of Custody Page ___ of ___

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L011842
Table #
Acctnum: LABRNY
Template:
Prelogin:
TSR: 364 - T. Alan Harvill
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 7474 0920 1724

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/19/18		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 2.3 °C Bottles Received: 21

Date: 7/21/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Katie Ingram

Pace Analytical®
National Center for Testing & Innovation

Login #: 4011842	Client:LABRNY	Date:07/21/18	Evaluated by:Myra "Katie" Ingram

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
x	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:

One of two received for MWSB-11 has headspace

Two of two received for MWSB-12 has headspace

One of two received for MWSB-14 has headspace

One of two received for MWSB-15 has headspace

Two of two received for MWSB-16 has headspace

Two of two received for MWSB-07 has headspace

Client informed by:	x	Call		Email		Voice Mail		Date: 7/24/18	Time: 9:31
TSR Initials: TAH	Client Contact: Mike Marrash								

Login Instructions: samples where only one vial has headspace – run using the vial with no headspace.

Samples where both have headspace – process as received , client will review data and recollect if necessary.